

Customer Testimonial



Monolec® GFS Engine Oil (8430)

County Weed & Pest Control Agency – Idaho

Briggs & Stratton 10 HP Engines

- Eliminated engine failures
- Extended oil drain intervals from once a week to once a month

Customer Profile

This County Weed & Pest Control Agency sprays crops and public pasture for their own county, as well as several Federal Agencies.

Application

To accomplish the spraying, they use eight spray rigs equipped with Briggs & Stratton 10 hp engines. These power spray rigs are mounted on the back of trucks.

Challenge

The spray rig engines were running hot, resulting in engine failures. They had tried different brands and weights of engine oils, but were still experiencing failures and the high cost of rebuilding the engines. The oil was being changed once a week.

LE Solution

The local LE lubrication consultant recommended Monolec® GFS Engine Oil (8430), which is formulated for heavy-duty service and is excellent for diesel and gasoline engines. It is made from select 100 percent paraffinic base oil and contains Monolec, LE's exclusive wear-reducing additive.

Results

Since installing Monolec 8430, the units are running much cooler, with no engine failures. It was recommended that in order to safely extend the oil drain interval that the County Weed & Pest Control Agency use LEAPSM (Lubrication Engineers Analysis Program) (See LEAP Report on Back). The analyses indicate that Monolec 8430 was suitable for longer use, but because it is easier to schedule, they have chosen to change the oil on a monthly basis. This extended drain intervals four to five times.

Other Products Used

- Monolec Ultra® Engine Oil (8800)
- Monolec® Gear Lubricant (704)
- Almaplex® Industrial Lubricant (1275)
- Monolex® Penetrating Oil & Lubricant (2059)

Thank you to the personnel at this weed & pest control agency, and to Scott Ewing, LE lubrication consultant, for providing the information used in this report.





UNIT ID: 4 UNIT 39 E
 CUSTOMER: MDA COUNTY NEED & PES
 LOCATION: MERIDIAN IL
 UNIT TYPE: GASOLINE ENGINE
 APPLICATION: OFF-HIGHWAY
 MFR: BRIGGS & STRATTON
 MODEL:
 LUBE FLUID MFR: LUBRICATION ENGINEERS
 TYPE GRADE: 8430 GFS



LEAP
 LUBRICATION ENGINEERS, Inc.
 Analysis Program

SEVERITY CODE:
 LUBRICATION ENGINEERS

593000-657-0007

SAMPLE DATE: LUBE FLUID: 175 UNIT: 1903 MAKEUP LUBE FLUID: LAB #: 134713 REPORT DATE: 09/1

NO ABNORMAL FINDINGS:
 COMMENT

TEST DATA		VALUES EXPRESSED IN PARTS PER MILLION (PPM) BY WEIGHT															NON-METALLIC CONTAMINANTS			LUBE FLUID DATA									
SAMPD.	LUBE FLUID	WEAR METALS					CONTAMINANT METALS					ADDITIVE METALS					FUEL	SOOT	WATER	V S	V I	T A	T B						
		IRON	CHROMIUM	MOLYBDENUM	ALUMINUM	COPPER	LEAD	TIN	SILVER	NICKEL	ANTIMONY	TITANIUM	SILICON	SODIUM	POTASSIUM	BORON								MAGNESIUM	CALCIUM	BARIUM	PHOSPHORUS	ZINC	% VOL
0526	75	7	2	1	3	3	1	0	0	0	0	7	18	2	157	1079	500	0	1251	1437	2.5	0.1	0.1				11.8		7.50
0605	1728																												
0717	175	16	3	2	6	5	1	0	0	0	0	14	4	0	217	1629	479	0	1429	2057	3.0	0.1	0.1				12.2		6.86
0802	1903																												

DATE CHG #

0526 Y 1
 0605
 0717 U 2
 0802

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Based on actual user experience. Individual results may vary. Not intended to supersede manufacturer specifications.

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