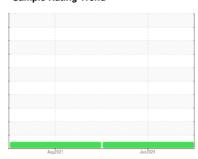


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id
OE192
Component
Diesel Engine

DIESEL ENGINE OIL SAE 40 (44 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the oil.

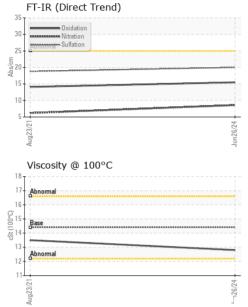
Fluid Condition

The condition of the oil is acceptable for the time in service.

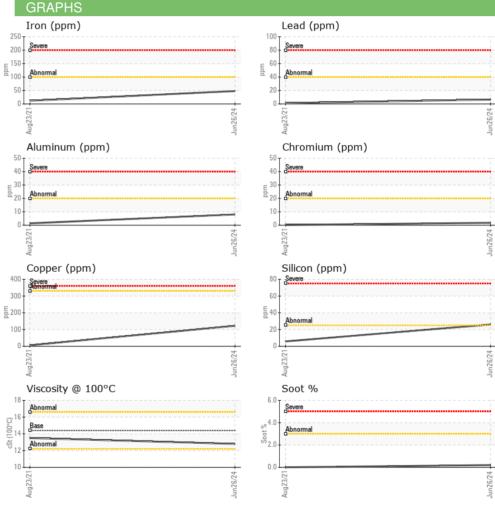
			Aug2021	Jun 2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0124561	GFL0030462	
Sample Date		Client Info		26 Jun 2024	23 Aug 2021	
Machine Age	hrs	Client Info		300	599	
Oil Age	hrs	Client Info		300	500	
Oil Changed	0	Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METAL	_S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	48	12	
Chromium	ppm	ASTM D5185(m)	>20	2	<1	
Nickel	ppm	ASTM D5185(m)	>4	<1	0	
Titanium	ppm	ASTM D5185(m)		<1	0	
Silver	ppm	ASTM D5185(m)	>3	0	0	
Aluminum	ppm	ASTM D5185(m)	>20	8	1	
Lead	ppm	ASTM D5185(m)	>40	6	1	
Copper	ppm	ASTM D5185(m)	>330	122	6	
Tin	ppm	ASTM D5185(m)	>15	<1	<1	
Antimony	ppm	ASTM D5185(m)		0	<1	
Vanadium	ppm	ASTM D5185(m)		0	0	
Beryllium	ppm	ASTM D5185(m)		0	0	
Cadmium	ppm	ASTM D5185(m)		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	250	2	2	
Barium	ppm	ASTM D5185(m)	10	<1	0	
Molybdenum	ppm	ASTM D5185(m)	100	57	57	
Manganese	ppm	ASTM D5185(m)		<1	<1	
Magnesium	ppm	ASTM D5185(m)	450	917	971	
Calcium	ppm	ASTM D5185(m)	3000	1056	1027	
Phosphorus	ppm	ASTM D5185(m)	1150	951	1067	
Zinc	ppm	ASTM D5185(m)	1350	1163	1174	
Sulfur	ppm	ASTM D5185(m)	4250	2401	2602	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	26	6	
Sodium	ppm	ASTM D5185(m)	>216	5	1	
Potassium	ppm	ASTM D5185(m)	>20	6	<1	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.2	0	
Nitration	Abs/cm	ASTM D7624*	>20	8.6	6.2	
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.0	18.8	



OIL ANALYSIS REPORT









CALA ISO 17025:2017 Accredited Laboratory

Laboratory

Sample No. Lab Number : 02644753 Unique Number : 5802292

: GFL0124561

To discuss this sample report, contact Customer Service at 1-800-268-2131.

Test Package : MOB 1 (Additional Tests: Visual)

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 720 - Lafleche - Landfill Received

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

: 02 Jul 2024 **Tested** Diagnosed

: 02 Jul 2024

: 02 Jul 2024 - Wes Davis

17125 Lafleche Road, Moose Creek, ON CA K0C 1W0 Contact: Charles Bergeron cbergeron@gflenv.com

T: (613)538-4853