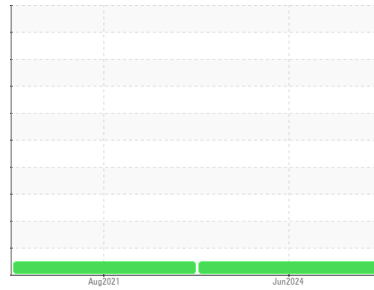




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

OE192

Component

Diesel Engine

Fluid

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.

SAMPLE INFORMATION		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	Client Info			Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

CONTAMINATION		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 METALS		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	---

CONTAMINANTS		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	---

