

OIL ANALYSIS REPORT

Sample Rating Trend



CAL008

Component Diesel Engine

Fluid MOBIL DELVAC 1300 SUPER15W40 (--- LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

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 INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0011792	PC0052802	
Sample Date		Client Info		08 Oct 2022	15 May 2022	
Machine Age	hrs	Client Info		2621	2289	
Oil Age	hrs	Client Info		2621	0	
Oil Changed		Client Info		N/A	N/A	
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)	>90	3	4	
Chromium	ppm	ASTM D5185(m)	>20	0	0	
Nickel	ppm	ASTM D5185(m)	>2	<1	0	
Titanium	ppm	ASTM D5185(m)		0	<1	
Silver	ppm	ASTM D5185(m)	>2	0	<1	
Aluminum	ppm	()	>20	1	<1	
Lead	ppm	ASTM D5185(m)	>40	<1	2	
Copper	ppm	()	>330	<1	<1	
Tin	ppm	ASTM D5185(m)	>15	0	0	
Antimony	ppm	ASTM D5185(m)		0	0	
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)	0	43	37	
Barium	ppm	ASTM D5185(m)	0	0	0	
Molybdenum	ppm	ASTM D5185(m)	0	42	39	
Manganese	ppm	ASTM D5185(m)		<1	<1	
Magnesium	ppm	ASTM D5185(m)	0	583	615	
Calcium	ppm	ASTM D5185(m)		1715	1473	
Phosphorus	ppm	ASTM D5185(m)		859	802	
Zinc	ppm	ASTM D5185(m)		944	953	
Sulfur	ppm	ASTM D5185(m)		2338	2378	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	5	7	
Sodium	ppm	ASTM D5185(m)		2	2	
Potassium	ppm	ASTM D5185(m)	>20	<1	0	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>6	0	0	
Nitration	Abs/cm	ASTM D7624*	>20	6.6	5.5	
Sulfation	Abs/.1mm	ASTM D7415*	>30	22.8	19.4	



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