

OIL ANALYSIS REPORT

Area [64342] VOLVO VNL660 4656

Diesel Engine

DIESEL ENGINE OIL SAE 10W30 (--- GAL)

Sample Rating Trend



Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the

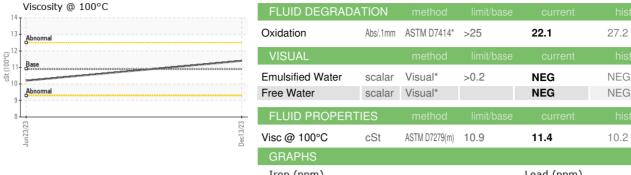
Fluid Condition

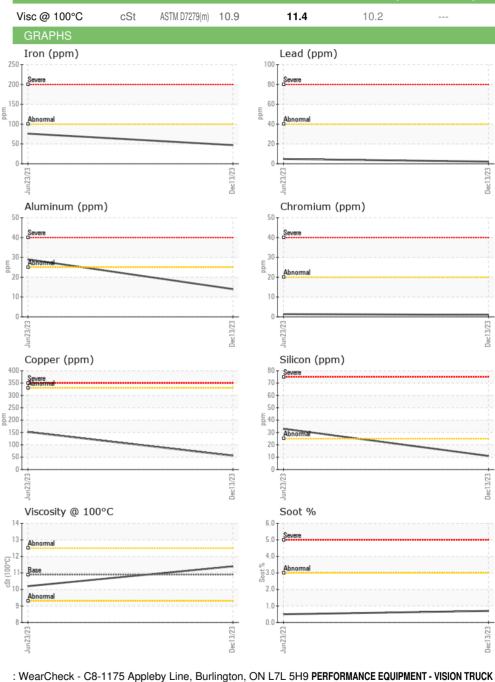
The condition of the oil is acceptable for the time in service.

			Jun2023	Dec2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0869679	WC0831159	
Sample Date		Client Info		13 Dec 2023	23 Jun 2023	
Machine Age	kms	Client Info		194348	94346	
Oil Age	kms	Client Info		100002	94346	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>6.0	<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	47	76	
Chromium	ppm	ASTM D5185(m)	>20	1	1	
Nickel	ppm	ASTM D5185(m)	>2	3	6	
Titanium	ppm	ASTM D5185(m)		0	<1	
Silver	ppm	ASTM D5185(m)	>2	1	<1	
Aluminum	ppm	ASTM D5185(m)	>25	14	29	
Lead	ppm	ASTM D5185(m)	>40	2	5	
Copper	ppm	ASTM D5185(m)	>330	56	152	
Tin	ppm	ASTM D5185(m)	>15	2	6	
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)	250	7	22	
Barium	ppm	ASTM D5185(m)	10	<1	<1	
Molybdenum	ppm	ASTM D5185(m)	100	66	104	
Manganese	ppm	ASTM D5185(m)		1	5	
Magnesium	ppm	ASTM D5185(m)	450	857	616	
Calcium	ppm	ASTM D5185(m)	3000	1331	1670	
Phosphorus	ppm	ASTM D5185(m)	1150	842	753	
Zinc	ppm	ASTM D5185(m)	1350	1136	851	
Sulfur	ppm	ASTM D5185(m)	4250	1998	2028	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	11	33	
Sodium	ppm	ASTM D5185(m)		4	8	
Potassium	ppm	ASTM D5185(m)	>20	31	73	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.7	0.5	
Nitration	Abs/cm	ASTM D7624*	>20	12.1	12.9	
Sulfation	Abs/.1mm	ASTM D7415*	>30	24.9	26.6	



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CALA ISO 17025:2017 Accredited

Laboratory Sample No. Lab Number Unique Number

: WC0869679

: 02603725 : 5696810 Test Package : MOB 1

Recieved : 18 Dec 2023 : 18 Dec 2023 Diagnosed

Diagnostician : Wes Davis 415 EVANS AVENUE ETOBICOKE, ON

> CA M8W 0B3 Contact: Service

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

etobservice@visiontruckgroup.com T:

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

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