



OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
[61296]
 Machine Id
VOLVO VNR 4658
 Component
Diesel Engine
 Fluid
NOT GIVEN (--- GAL)



DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 30 Diesel Engine Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample.

Wear

Metal levels are typical for a new component breaking in.

Contamination

Fuel content negligible. 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 oil.

Fluid Condition

Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0831174	---	---
Sample Date	Client Info		19 Aug 2023	---	---
Machine Age	kms	Client Info	107200	---	---
Oil Age	kms	Client Info	0	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			NORMAL	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Glycol	WC Method		NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >100	79	---	---
Chromium	ppm	ASTM D5185(m) >20	2	---	---
Nickel	ppm	ASTM D5185(m) >2	2	---	---
Titanium	ppm	ASTM D5185(m)	<1	---	---
Silver	ppm	ASTM D5185(m) >2	<1	---	---
Aluminum	ppm	ASTM D5185(m) >25	33	---	---
Lead	ppm	ASTM D5185(m) >40	7	---	---
Copper	ppm	ASTM D5185(m) >330	133	---	---
Tin	ppm	ASTM D5185(m) >15	5	---	---
Antimony	ppm	ASTM D5185(m)	0	---	---
Vanadium	ppm	ASTM D5185(m)	0	---	---
Beryllium	ppm	ASTM D5185(m)	0	---	---
Cadmium	ppm	ASTM D5185(m)	0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	19	---	---
Barium	ppm	ASTM D5185(m)	<1	---	---
Molybdenum	ppm	ASTM D5185(m)	105	---	---
Manganese	ppm	ASTM D5185(m)	5	---	---
Magnesium	ppm	ASTM D5185(m)	649	---	---
Calcium	ppm	ASTM D5185(m)	1565	---	---
Phosphorus	ppm	ASTM D5185(m)	710	---	---
Zinc	ppm	ASTM D5185(m)	805	---	---
Sulfur	ppm	ASTM D5185(m)	1796	---	---
Lithium	ppm	ASTM D5185(m)	<1	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	60	---	---
Sodium	ppm	ASTM D5185(m)	5	---	---
Potassium	ppm	ASTM D5185(m) >20	79	---	---
Fuel	%	ASTM D7593* >6.0	0.5	---	---

INFRA-RED

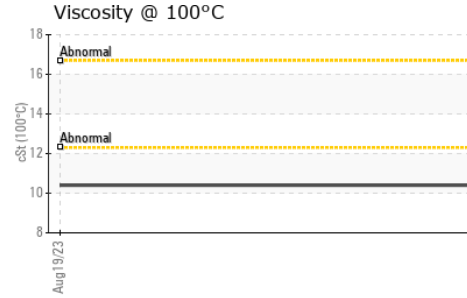
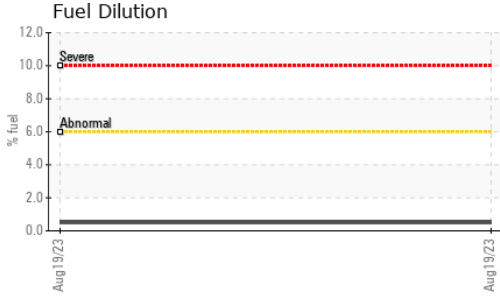
	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844* >3	0.9	---	---
Nitration	Abs/cm	ASTM D7624* >20	13.3	---	---
Sulfation	Abs/.1mm	ASTM D7415* >30	28.4	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414* >25	27.7	---	---



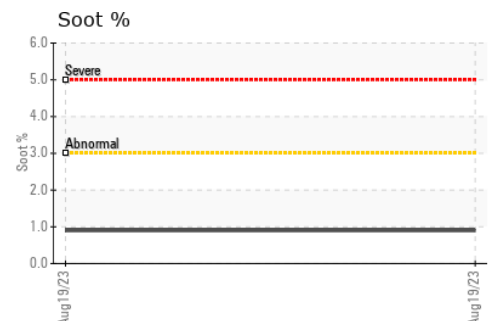
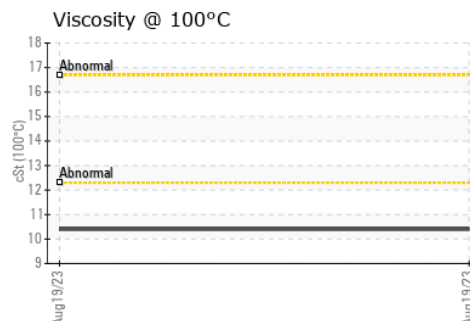
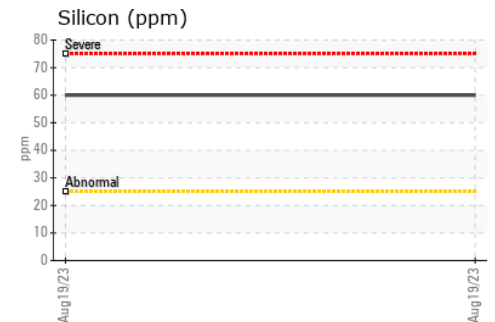
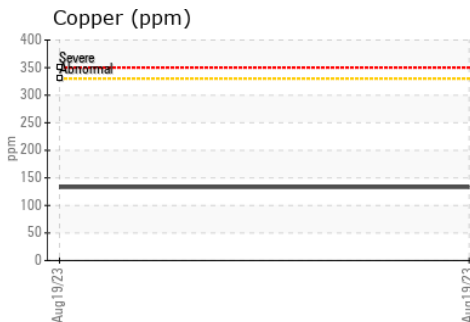
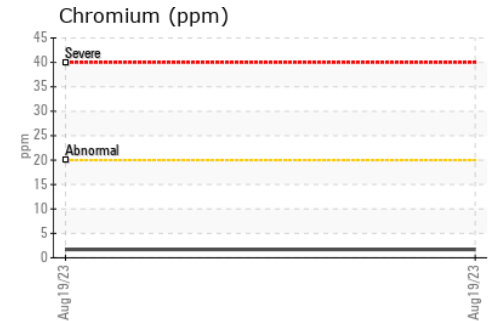
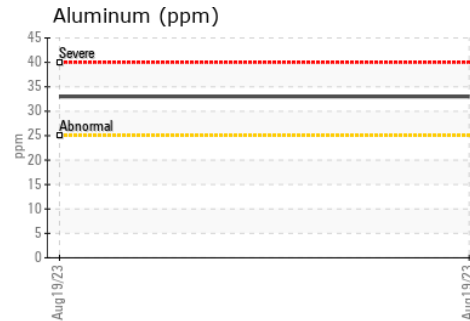
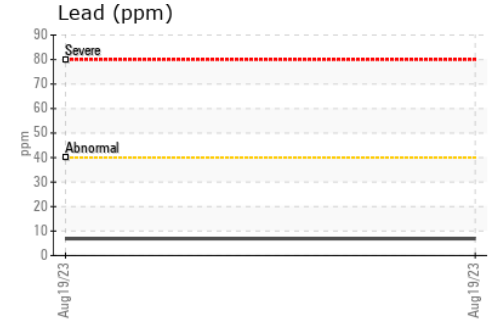
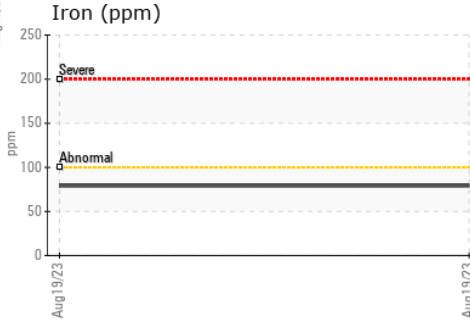
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	10.4	---	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 PERFORMANCE EQUIPMENT - VISION TRUCK
Sample No. : WC0831174 **Received** : 23 Aug 2023 415 EVANS AVENUE
Lab Number : 02577649 **Diagnosed** : 24 Aug 2023 ETOBICOKE, ON
Unique Number : 5630709 **Diagnostician** : Kevin Marson CA M8W 0B3
Test Package : MOB 1 (Additional Tests: FUELDILUTION, PercentFuel) Contact: Service

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

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.

etobservice@visiontruckgroup.com

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