



OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
[63904]
 Machine Id
VOLVO VNM 121211
 Component
Diesel Engine
 Fluid
{not provided} (--- 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

All component wear rates are normal.

Contamination

Light fuel dilution occurring. No other contaminants were detected 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		WC0895351	---	---
Sample Date	Client Info		16 Jan 2024	---	---
Machine Age	kms	Client Info	212223	---	---
Oil Age	kms	Client Info	0	---	---
Oil Changed	Client Info		Not Chngd	---	---
Sample Status			NORMAL	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	NEG	---	---
Glycol	WC Method		NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >100	44	---	---
Chromium	ppm	ASTM D5185(m) >20	<1	---	---
Nickel	ppm	ASTM D5185(m) >2	<1	---	---
Titanium	ppm	ASTM D5185(m)	0	---	---
Silver	ppm	ASTM D5185(m) >2	<1	---	---
Aluminum	ppm	ASTM D5185(m) >25	3	---	---
Lead	ppm	ASTM D5185(m) >40	2	---	---
Copper	ppm	ASTM D5185(m) >330	10	---	---
Tin	ppm	ASTM D5185(m) >15	<1	---	---
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)	11	---	---
Barium	ppm	ASTM D5185(m)	0	---	---
Molybdenum	ppm	ASTM D5185(m)	46	---	---
Manganese	ppm	ASTM D5185(m)	2	---	---
Magnesium	ppm	ASTM D5185(m)	759	---	---
Calcium	ppm	ASTM D5185(m)	1311	---	---
Phosphorus	ppm	ASTM D5185(m)	1018	---	---
Zinc	ppm	ASTM D5185(m)	1171	---	---
Sulfur	ppm	ASTM D5185(m)	2728	---	---
Lithium	ppm	ASTM D5185(m)	<1	---	---

CONTAMINANTS

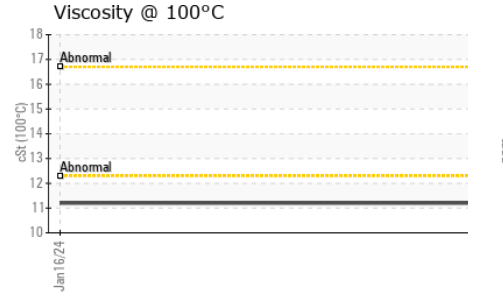
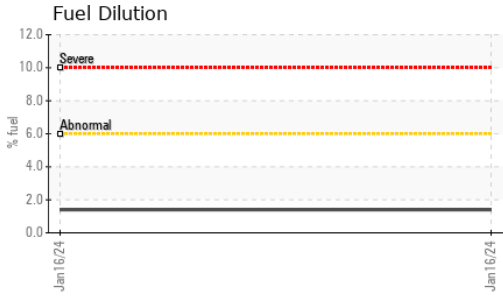
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	10	---	---
Sodium	ppm	ASTM D5185(m)	2	---	---
Potassium	ppm	ASTM D5185(m) >20	5	---	---
Fuel	%	ASTM D7593* >6.0	1.4	---	---

INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844* >3	0.1	---	---
Nitration	Abs/cm	ASTM D7624* >20	9.4	---	---
Sulfation	Abs/.1mm	ASTM D7415* >30	22.1	---	---



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FLUID DEGRADATION	method	limit/base	current	history1	history2
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Oxidation	Abs/.1mm	ASTM D7414*	>25	18.3	---	---
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VISUAL	method	limit/base	current	history1	history2
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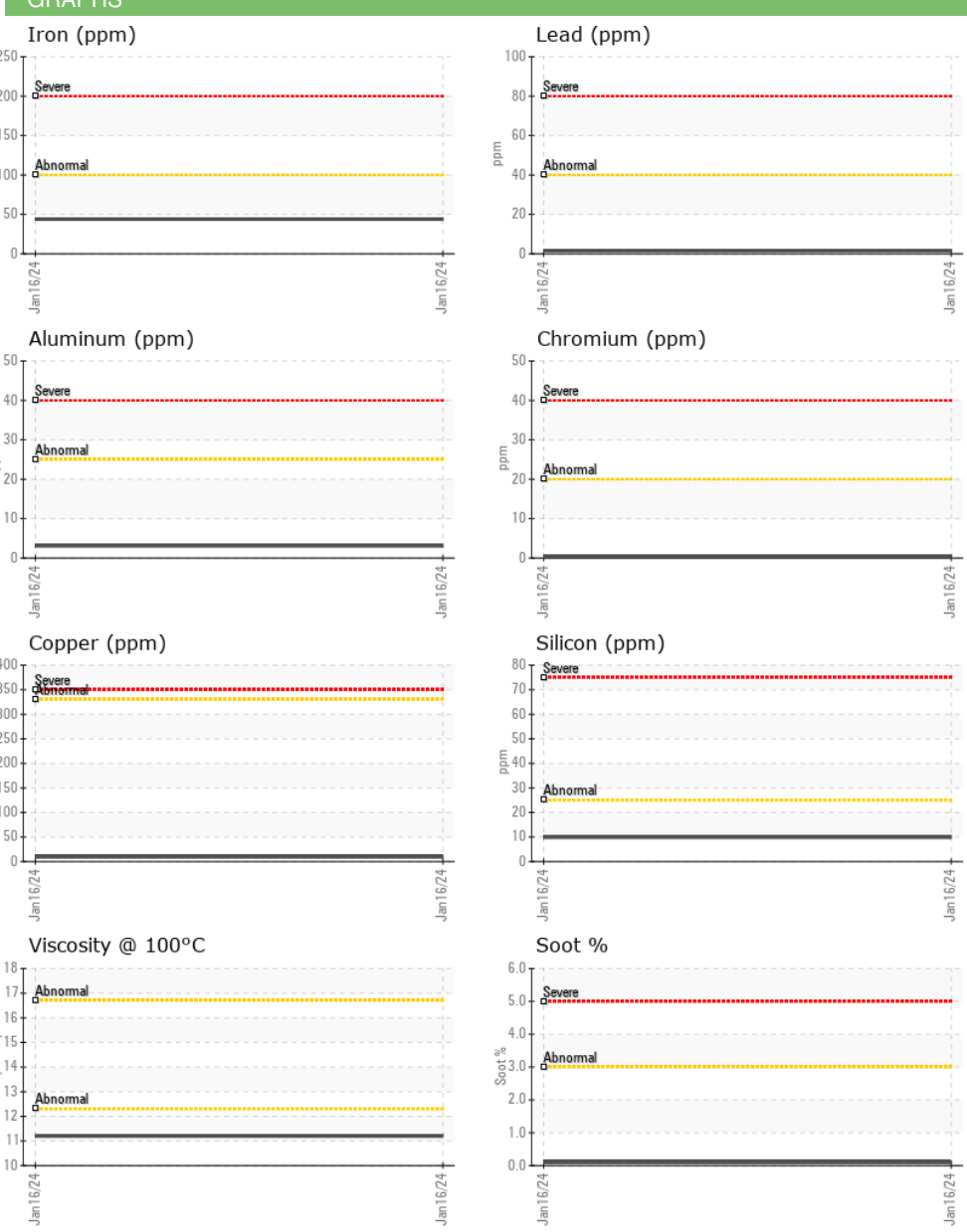
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---
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Free Water	scalar	Visual*		NEG	---	---
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FLUID PROPERTIES	method	limit/base	current	history1	history2
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Visc @ 100°C	cSt	ASTM D7279(m)		11.2	---	---
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GRAPHS



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 PERFORMANCE EQUIPMENT - VISION TRUCK
Sample No. : WC0895351 **Received** : 22 Jan 2024
Lab Number : **02610148** **Diagnosed** : 23 Jan 2024
Unique Number : 5711234 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel)

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.

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 etobservice@visiontruckgroup.com

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