

## **OIL ANALYSIS REPORT**

Sample Rating Trend

NORMAL

Resample at the next service interval to monitor.

There is no indication of any contamination in the

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the

All component wear rates are normal.

oil is suitable for further service.

WMR-Salt Lake City VOLVO L150H 4449



Recommendation

Contamination

Fluid Condition

Wear

oil.

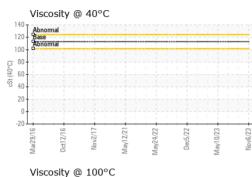
Component **Diesel Engine** Fluic

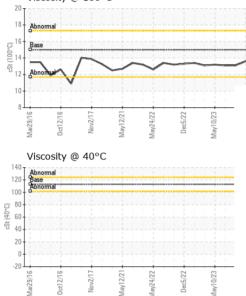
VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 (--- GAL)

				21 May2022 Dec2022 May2		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number Sample Date Machine Age Oil Age Oil Changed Sample Status	hrs hrs	Client Info Client Info Client Info Client Info		DJJ0015298 06 Nov 2023 15734 280 Changed NORMAL	DJJ0008930 12 Sep 2023 15438 300 Changed NORMAL	DJJ0015265 19 Jul 2023 15138 300 Changed NORMAL
CONTAMINATION		method	limit/base	current	history1	history2
Fuel Water Glycol		WC Method WC Method WC Method		<1.0 NEG NEG	<1.0 NEG NEG	<1.0 NEG NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron Chromium Nickel Titanium Silver Aluminum Lead	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>10 >2	0 0 <1 0 <1 0 <1 0	<1 <1 0 0 0 2 <1	2 <1 0 0 0 <1 0
Copper	ppm	ASTM D5185m	>15	0	<1	0
Tin Vanadium Cadmium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>10	<1 0 0	<1 <1 0	0 0 0
ADDITIVES		method	limit/base	current	history1	history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0.7 0.0 256	7 0 59 <1 944 1014 1033 1248 3037	10 0 91 <1 1285 1457 1354 1671 4929	5 0 54 <1 919 1042 980 1196 3573
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon Sodium Potassium	ppm ppm ppm	ASTM D5185m ASTM D5185m	>20 >20	2 0 0	4 2 <1	2 2 <1
INFRA-RED Soot % Nitration Sulfation	% Abs/cm Abs/.1mm	method *ASTM D7844 *ASTM D7624 *ASTM D7415	limit/base >3 >20 >30	current 0.1 5.3 17.8	history1 0.1 5.3 18.2	history2 0.1 5.6 18.8
FLUID DEGRADA	method	limit/base	current	history1	history2	
Oxidation Base Number (BN)	Abs/.1mm mg KOH/g	*ASTM D7414 ASTM D2896	>25 10	13.1 9.3	13.4 9.2	14.4 9.6



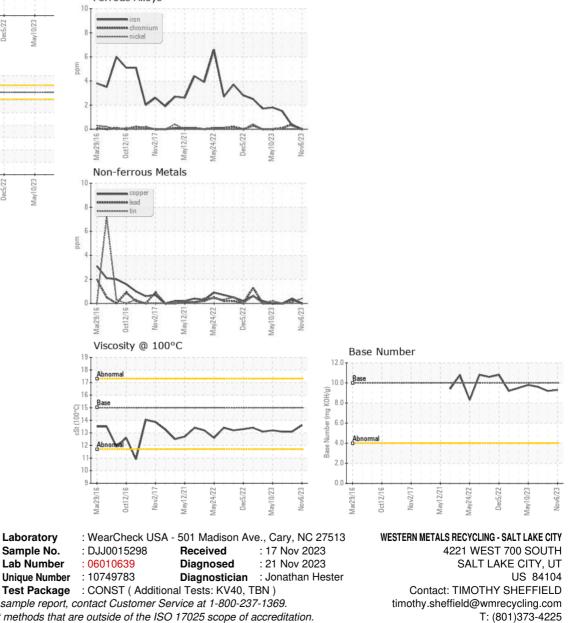
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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.0	13.6	13.1	13.1
GRAPHS						

Ferrous Alloys





Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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