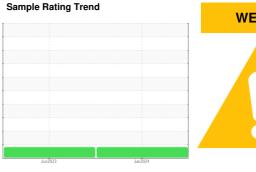


OIL ANALYSIS REPORT

Area [64980] **VOLVO VNL 4607**

Diesel Engine

PETRO CANADA DURON SAE 10W30 (--- GAL)



WEAR

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Nickel ppm levels are abnormal. Exhaust valve wear is indicated.

Contamination

There is no indication of any contamination in the

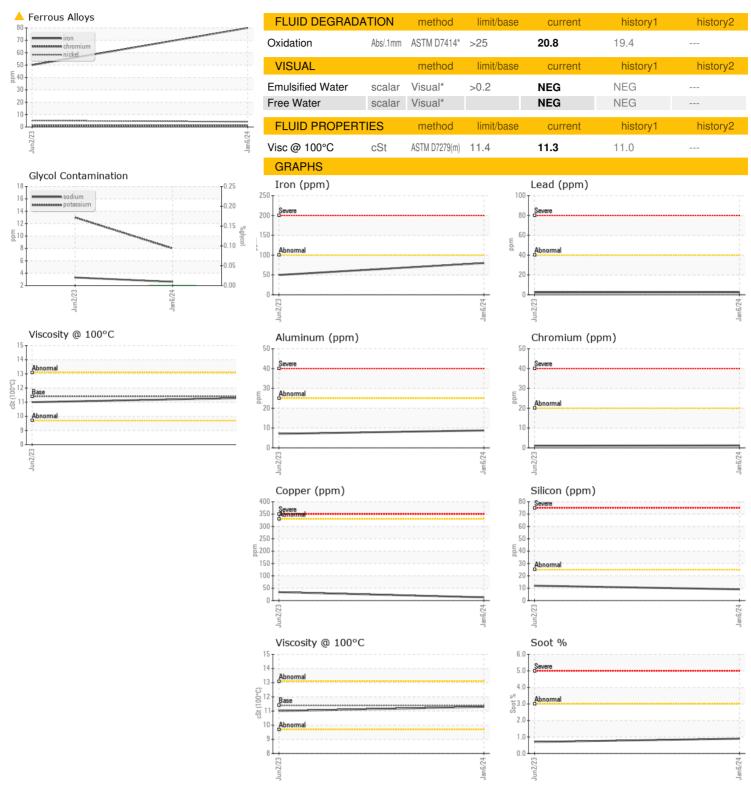
Fluid Condition

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

iAL)			Jun2023	Jan 2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0895341	WC0816591	
Sample Date		Client Info		06 Jan 2024	02 Jun 2023	
Machine Age	kms	Client Info		392563	18	
Oil Age	kms	Client Info		0	6	
Oil Changed		Client Info		Changed	Changed	
Sample Status				ABNORMAL	ABNORMAL	
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>6.0	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	80	50	
Chromium	ppm	ASTM D5185(m)	>20	1	1	
Nickel	ppm	ASTM D5185(m)	>2	<u>4</u>	<u> </u>	
Titanium	ppm	ASTM D5185(m)		0	<1	
Silver	ppm	ASTM D5185(m)	>2	<1	<1	
Aluminum	ppm	ASTM D5185(m)	>25	9	7	
Lead	ppm	ASTM D5185(m)	>40	2	2	
Copper	ppm	ASTM D5185(m)	>330	13	34	
Tin	ppm	ASTM D5185(m)	>15	2	2	
Antimony	ppm	ASTM D5185(m)		0	<1	
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)	1	2	10	
Barium	ppm	ASTM D5185(m)	1	0	0	
Molybdenum	ppm	ASTM D5185(m)	1	59	57	
Manganese	ppm	ASTM D5185(m)	1	<1	1	
Magnesium	ppm	ASTM D5185(m)	10	865	780	
Calcium	ppm	ASTM D5185(m)	2942	1223	1363	
Phosphorus	ppm	ASTM D5185(m)	1102	904	905	
Zinc	ppm	ASTM D5185(m)	1351	1152	1080	
Sulfur	ppm	ASTM D5185(m)	3903	2212	2037	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	9	12	
Sodium	ppm	ASTM D5185(m)		3	3	
Potassium	ppm	ASTM D5185(m)	>20	8	13	
Glycol	%	ASTM D7922*		0.0	NEG	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.9	0.7	
Nitration	Abs/cm	ASTM D7624*	>20	11.7	10.2	
Sulfation	Abs/.1mm	ASTM D7415*	>30	25.1	23.4	



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited

Laboratory Sample No. Lab Number Unique Number

: 02607704

: WC0895341 Recieved Diagnosed : 5708790

Diagnostician : Kevin Marson Test Package : MOB 1 (Additional Tests: Glycol)

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 PERFORMANCE EQUIPMENT - VISION TRUCK : 10 Jan 2024 415 EVANS AVENUE ETOBICOKE, ON : 11 Jan 2024

> **CA M8W 0B3** 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. etobservice@visiontruckgroup.com T:

Validity of results and interpretation are based on the sample and information as supplied.

F: