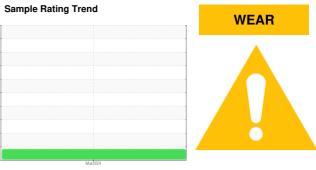


OIL ANALYSIS REPORT

Area [66901] **VOLVO VNR660 4606**

Diesel Engine

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



DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Nickel ppm levels are marginal. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the

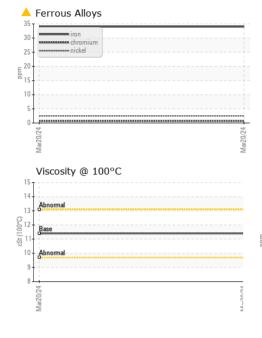
Fluid Condition

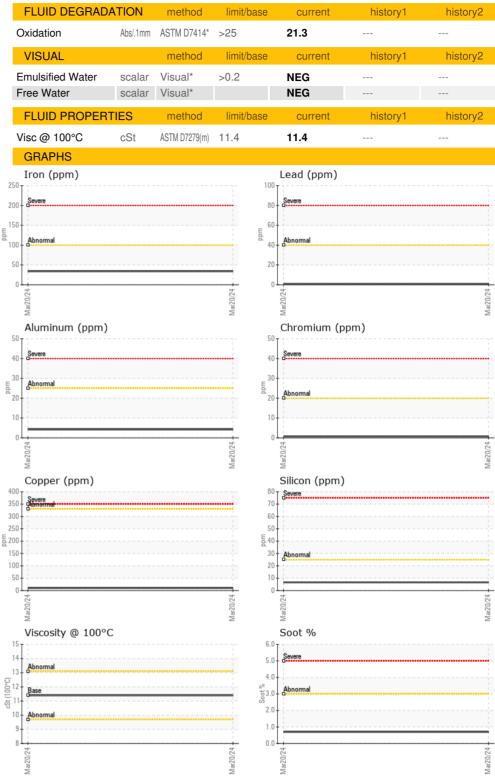
The condition of the oil is acceptable for the time in service.

GAL)				Mar2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0909047		
Sample Date		Client Info		20 Mar 2024		
Machine Age	kms	Client Info		415052		
Oil Age	kms	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				MARGINAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>6.0	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	34		
Chromium	ppm	ASTM D5185(m)	>20	<1		
Nickel	ppm	ASTM D5185(m)	>2	<u>^</u> 2		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)	>2	0		
Aluminum	ppm	. ,	>25	4		
Lead	ppm	ASTM D5185(m)	>40	<1		
Copper	ppm		>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)	1	5		
Barium	ppm	ASTM D5185(m)	1	0		
Molybdenum	ppm	ASTM D5185(m)	1	59		
Manganese	ppm	ASTM D5185(m)	1	0		
Magnesium	ppm	ASTM D5185(m)	10	875		
Calcium	ppm	ASTM D5185(m)	2942	1281		
Phosphorus	ppm	ASTM D5185(m)	1102	879		
Zinc	ppm	ASTM D5185(m)	1351	1148		
Sulfur	ppm	ASTM D5185(m)	3903	2186		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	7		
Sodium	ppm	ASTM D5185(m)		2		
Potassium	ppm	ASTM D5185(m)	>20	4		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.7		
Nitration	Abs/cm	ASTM D7624*	>20	12.0		
Sulfation	Abs/.1mm	ASTM D7415*	>30	24.9		



OIL ANALYSIS REPORT







CALA ISO 17025:2017 Accredited Laboratory

Laboratory

Sample No.

Lab Number : 02624122 Unique Number : 5749241

: WC0909047

Test Package : MOB 1

Received : 25 Mar 2024 : 25 Mar 2024 **Tested**

: 25 Mar 2024 - Kevin Marson Diagnosed

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 PERFORMANCE EQUIPMENT - VISION TRUCK 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.

F: