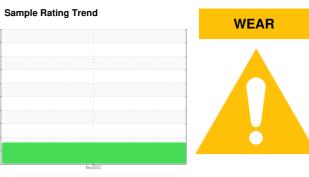


OIL ANALYSIS REPORT

Area [63666] **VOLVO VNL 4488**

Diesel Engine

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



DIAGNOSIS

Recommendation

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

Iron ppm levels are abnormal. Nickel ppm levels are marginal. Cylinder, crank, or cam shaft wear is indicated. Exhaust valve wear is indicated.

There is no indication of any contamination in the

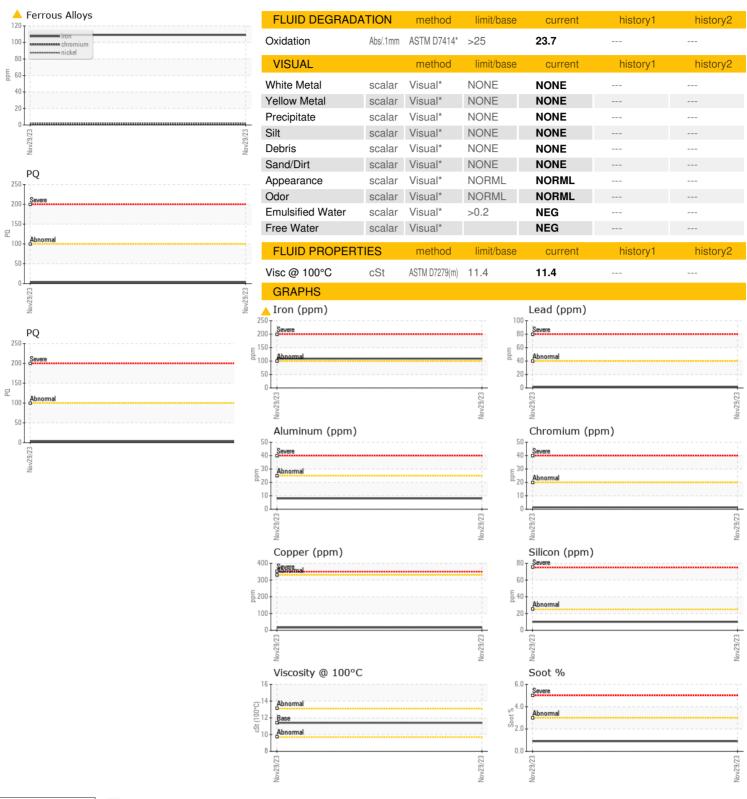
Fluid Condition

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

GAL)				Nov2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0869673		
Sample Date		Client Info		29 Nov 2023		
Machine Age	kms	Client Info		741759		
Oil Age	kms	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATION	V	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
PQ		ASTM D8184*		3		
Iron	ppm	ASTM D5185(m)	>100	<u> 109</u>		
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	<1		
Aluminum	ppm	ASTM D5185(m)	>25	8		
Lead	ppm	ASTM D5185(m)	>40	2		
Copper	ppm	ASTM D5185(m)	>330	16		
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	8		
Barium	ppm	ASTM D5185(m)	1	<1		
Molybdenum	ppm	ASTM D5185(m)	1	57		
Manganese	ppm	ASTM D5185(m)	1	1		
Magnesium	ppm	ASTM D5185(m)	10	867		
Calcium	ppm	ASTM D5185(m)	2942	1171		
Phosphorus	ppm	ASTM D5185(m)	1102	916		
Zinc	ppm	()	1351	1129		
Sulfur	ppm	ASTM D5185(m)	3903	1932		
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)		4		
Potassium	ppm	ASTM D5185(m)	>20	2		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.9		
Nitration	Abs/cm	ASTM D7624*	>20	12.4		
Sulfation	Abs/.1mm	ASTM D7415*	>30	25.2		



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number **Unique Number**

: 02600855

: 5693940

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 PERFORMANCE EQUIPMENT - VISION TRUCK : WC0869673

Received : 05 Dec 2023 : 06 Dec 2023 Diagnosed Diagnostician : Kevin Marson

Test Package : MOB 1 (Additional Tests: PQ, Visual)

415 EVANS AVENUE ETOBICOKE, ON **CA M8W 0B3**

Contact: Service etobservice@visiontruckgroup.com

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.

T:

F: