

OIL ANALYSIS REPORT

Area [67113] **VOLVO VNL740 4709**

Component **Diesel Engine**

{not provided} (--- GAL)

Sample Rating Trend **WEAR**

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 20 Diesel Engine Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample.

Wear

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

Contamination

Fuel content negligible. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

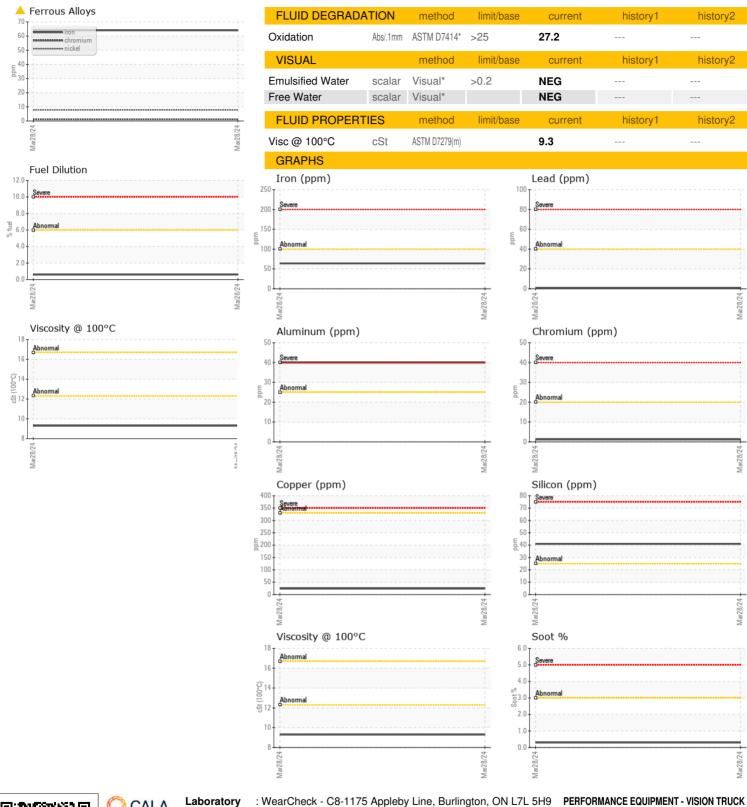
Fluid Condition

Viscosity of sample indicates oil is within SAE 20 range, advise investigate. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

				Mar2024		
SAMPLE INFORMA	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0909030		
Sample Date		Client Info		28 Mar 2024		
Machine Age	kms	Client Info		84805		
Oil Age	kms	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
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	64		
	ppm	ASTM D5185(m)	>20	1		
	ppm	ASTM D5185(m)	>2	<u> </u>		
	ppm	ASTM D5185(m)	/L	<u> </u>		
		ASTM D5185(m)	>2	2		
-	ppm	. ,	>25	40		
	ppm	ASTM D5185(m)		-		
	ppm	ASTM D5185(m)	>40	<1		
	ppm	ASTM D5185(m)	>330	24		
	ppm	ASTM D5185(m)	>15	6		
	ppm	ASTM D5185(m)		0		
	ppm	ASTM D5185(m)		0		
-	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		39		
Barium	ppm	ASTM D5185(m)		<1		
Molybdenum	ppm	ASTM D5185(m)		124		
Manganese	ppm	ASTM D5185(m)		3		
Magnesium	ppm	ASTM D5185(m)		688		
Calcium	ppm	ASTM D5185(m)		1586		
Phosphorus	ppm	ASTM D5185(m)		674		
	ppm	ASTM D5185(m)		814		
Sulfur	ppm	ASTM D5185(m)		1909		
	ppm	ASTM D5185(m)		1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	41		
		ASTM D5185(m)		5		
Julium	ppm					
	ppm	(/	>20	100		
Potassium	ppm ppm %	ASTM D5185(m) ASTM D7593*	>20 >6.0	100 0.6		
Potassium	ppm	ASTM D5185(m)				
Potassium Fuel INFRA-RED	ppm %	ASTM D5185(m) ASTM D7593* method	>6.0 limit/base	0.6 current		
Potassium Fuel INFRA-RED Soot %	ppm	ASTM D5185(m) ASTM D7593*	>6.0	0.6	 history1	history2



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number : 02625556

: WC0909030

Unique Number : 5750675

Received : 01 Apr 2024 **Tested**

: 02 Apr 2024 Diagnosed

: 02 Apr 2024 - Kevin Marson

415 EVANS AVENUE ETOBICOKE, ON **CA M8W 0B3** Contact: Service

Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel) 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: