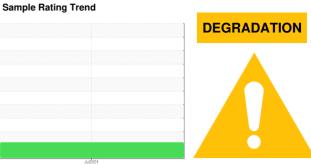


OIL ANALYSIS REPORT



Machine Id

VOLVO VNL 760 209

Diesel Engine

PETRO CANADA DURON SHP 10W30 (12 0

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

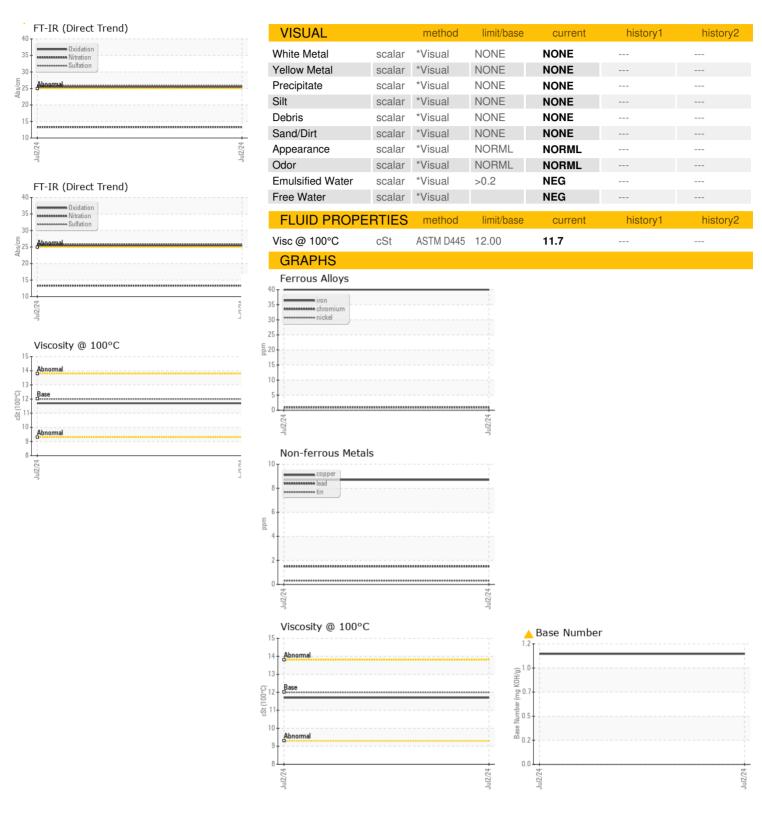
Fluid Condition

The BN level is low.

CONTAMINATION	AL)				Jul2024		
Company Comp	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Cample Date Client Info Q2 Jul 2024 Alachine Age mis Client Info 210780 Client Info 210780 Client Info 210780 Changed Changed Changed Changed Changed Changed -	Sample Number		Client Info		PCA0117393		
Machine Age mls Client Info 40000 Did Changed mls Client Info 40000 Did Changed Client Info Changed Sample Status			Client Info		02 Jul 2024		
Dit Age		mls	Client Info		210780		
Changed Client Info ABNORMAL Changed Changed Changed ABNORMAL CONTAMINATION Method S6.0 Cl.0 Cl.0		mls	Client Info		40000		
CONTAMINATION method limit/base current history1 history2 value WC Method >6.0 <1.0	-		Client Info		Changed		
Fuel	Sample Status						
Wear Wc Method Wc Method	CONTAMINAT	ION	method	limit/base	current	history1	history2
WEAR METALS	uel		WC Method	>6.0	<1.0		
WEAR METALS method limit/base current history1 history2 ron ppm ASTM D5185m >100 40 Schromium ppm ASTM D5185m >20 <1	Vater		WC Method	>0.2	NEG		
Chromium Dpm ASTM D5185m >20 <1	Glycol		WC Method		NEG		
ASTM D5185m Pom ASTM D5185m Pom ASTM D5185m Pom ASTM D5185m Pom Po	WEAR METAL	.S	method	limit/base	current	history1	history2
Side Pom ASTM D5185m Pom Pom ASTM D5185m Pom	on	ppm	ASTM D5185m	>100	40		
Silver	Chromium	ppm	ASTM D5185m	>20	<1		
Silver	lickel	ppm	ASTM D5185m	>2	1		
ASTM D5185m >25 3	itanium	ppm	ASTM D5185m		0		
Accepted	Silver	ppm	ASTM D5185m	>2	0		
April	Aluminum	ppm	ASTM D5185m	>25	3		
Academium	.ead	ppm	ASTM D5185m	>40	2		
Anadium	Copper	ppm	ASTM D5185m	>330	9		
ADDITIVES	ïn	ppm	ASTM D5185m	>15	<1		
ADDITIVES	anadium/	ppm	ASTM D5185m		0		
Soron ppm ASTM D5185m 2 0	Cadmium	ppm	ASTM D5185m		<1		
Sarium	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 50 56 Manganese ppm ASTM D5185m 0 1 Magnesium ppm ASTM D5185m 950 774 Calcium ppm ASTM D5185m 1050 1122 Phosphorus ppm ASTM D5185m 995 920 Vinc ppm ASTM D5185m 1180 998 Sulfur ppm ASTM D5185m 2600 2420 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 6 Potassium ppm ASTM D5185m >20 7 Potassium ppm ASTM D5185m >20 7 Solium ppm ASTM D7844	Boron	ppm	ASTM D5185m	2	0		
Manganese ppm ASTM D5185m 0 1 Magnesium ppm ASTM D5185m 950 774 Calcium ppm ASTM D5185m 1050 1122 Phosphorus ppm ASTM D5185m 995 920 Zinc ppm ASTM D5185m 2600 2420 Sulfur ppm ASTM D5185m 2600 2420 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 6 Codassium ppm ASTM D5185m >20 7 Potassium ppm ASTM D5185m >20 7 INFRA-RED method limit/base current history1 history2 Sulfation Abs/cmm *ASTM D7624 </td <td>Barium</td> <td>ppm</td> <td>ASTM D5185m</td> <td>0</td> <td><1</td> <td></td> <td></td>	Barium	ppm	ASTM D5185m	0	<1		
Magnesium ppm ASTM D5185m 950 774 Calcium ppm ASTM D5185m 1050 1122 Phosphorus ppm ASTM D5185m 995 920 Cinc ppm ASTM D5185m 1180 998 Sulfur ppm ASTM D5185m 2600 2420 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 6 Soldium ppm ASTM D5185m >20 7 Potassium ppm ASTM D5185m >20 7 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7624 >20 13.3 FLUID DEGRADATION method limit/bas	Nolybdenum	ppm	ASTM D5185m	50	56		
Calcium ppm ASTM D5185m 1050 1122 Phosphorus ppm ASTM D5185m 995 920 Sulfur ppm ASTM D5185m 1180 998 Sulfur ppm ASTM D5185m 2600 2420 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 6 Sodium ppm ASTM D5185m >20 7 Potassium ppm ASTM D5185m >20 7 INFRA-RED method limit/base current history1 history2 Soot % "ASTM D7844 >3 0.7 Soulfation Abs/:nm "ASTM D7624 >20 13.3 FLUID DEGRADATION method limit/base	/langanese	ppm	ASTM D5185m	0	1		
Phosphorus	/lagnesium	ppm	ASTM D5185m	950	774		
Contamination Contaminatio Contamination Contamination Contamination Contamination		ppm	ASTM D5185m	1050	1122		
Sulfur ppm ASTM D5185m 2600 2420 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 6 Bodium ppm ASTM D5185m 4 Potassium ppm ASTM D5185m >20 7 INFRA-RED method limit/base current history1 history2 Goot % % *ASTM D7844 >3 0.7 Sulfation Abs/cm *ASTM D7624 >20 13.3 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 25.4	Phosphorus	ppm	ASTM D5185m	995	920		
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 6 Sodium ppm ASTM D5185m 4 Potassium ppm ASTM D5185m >20 7 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.7 Sulfration Abs/cm *ASTM D7624 >20 13.3 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 25.4	Zinc	ppm	ASTM D5185m	1180	998		
Solicon ppm ASTM D5185m >25 6	Sulfur	ppm	ASTM D5185m	2600	2420		
Sodium ppm ASTM D5185m 4 Potassium ppm ASTM D5185m >20 7 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.7 Vitration Abs/cm *ASTM D7624 >20 13.3 Sulfation Abs/.1mm *ASTM D7415 >30 25.8 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 25.4	CONTAMINAN	ITS	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 7 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.7 Nitration Abs/cm *ASTM D7624 >20 13.3 Sulfation Abs/.1mm *ASTM D7415 >30 25.8 FLUID DEGRADATION method limit/base current history1 history2 Dxidation Abs/.1mm *ASTM D7414 >25 25.4	Silicon	ppm	ASTM D5185m	>25	6		
INFRA-RED	Sodium	ppm	ASTM D5185m		4		
Goot % % *ASTM D7844 >3 0.7 Vitration Abs/cm *ASTM D7624 >20 13.3 Sulfation Abs/.1mm *ASTM D7415 >30 25.8 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 25.4	Potassium	ppm	ASTM D5185m	>20	7		
Abs/cm	INFRA-RED		method	limit/base	current	history1	history2
Sulfation Abs/.1mm *ASTM D7415 >30 25.8 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 25.4	Soot %	%	*ASTM D7844	>3	0.7		
FLUID DEGRADATION method limit/base current history1 history2 Dxidation Abs/.1mm *ASTM D7414 >25 25.4	litration	Abs/cm	*ASTM D7624	>20	13.3		
Dxidation Abs/.1mm *ASTM D7414 >25 25.4	Sulfation	Abs/.1mm	*ASTM D7415	>30	25.8		
	FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Base Number (BN) mg KOH/g ASTM D2896 △ 1.1	Oxidation	Abs/.1mm	*ASTM D7414	>25	25.4		
	Base Number (BN)	mg KOH/g	ASTM D2896		<u> </u>		



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0117393 Lab Number : 06239985 Unique Number : 11128819

Test Package : FLEET

Received : 18 Jul 2024 **Tested** : 18 Jul 2024

Diagnosed : 19 Jul 2024 - Don Baldridge

A Truck Repair 9349 China Grove Church Road Pineville, NC

US 28134 Contact: Vlad Melnichuk shop@migway.com

T: (980)255-3200

To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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)