

# **OIL ANALYSIS REPORT**

## **NORMAL**



# WOLVO VNL 135 (S/N 4V4NC9EH3NN304373)

**Diesel Engine** 

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

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

Metal levels are typical for a new component breaking in.

#### Contamination

There is no indication of any contamination in the

#### **Fluid Condition**

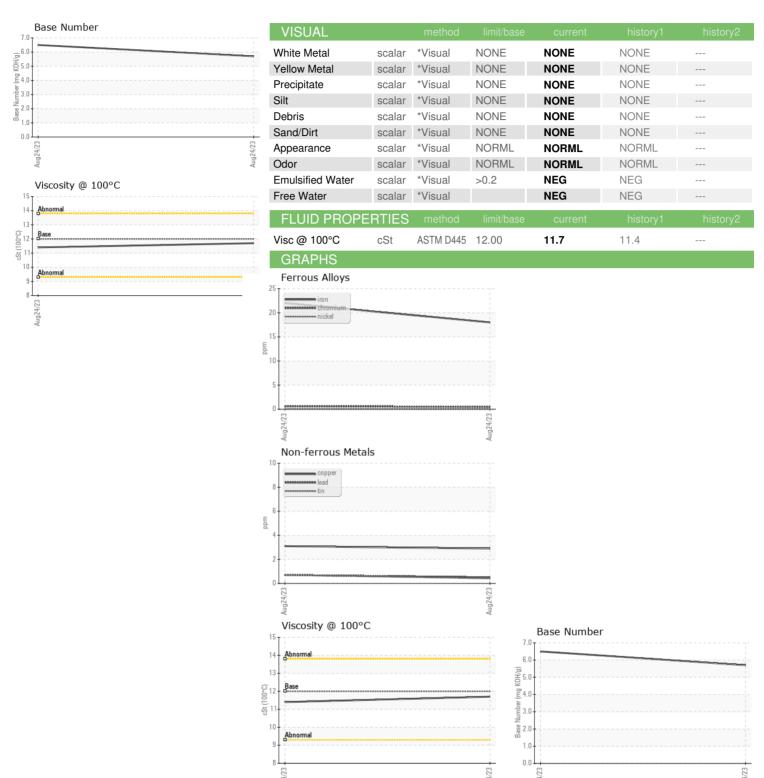
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



Sample Number		Client Info		PCA0097592	PCA0097429	
Sample Date		Client Info		24 Aug 2023	24 Aug 2023	
Machine Age	mls	Client Info		320000	343000	
Oil Age	mls	Client Info		27000	27000	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>6.0	<1.0	<1.0	
Glycol		WC Method		NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	22	18	
Chromium	ppm	ASTM D5185m	>20	<1	<1	
Nickel	ppm	ASTM D5185m	>2	0	0	
Titanium	ppm	ASTM D5185m		0	<1	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>25	5	2	
Lead	ppm	ASTM D5185m	>40	<1	<1	
Copper	ppm	ASTM D5185m	>330	3	3	
Tin	ppm	ASTM D5185m	>15	<1	<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	0	0	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	50	67	62	
Manganese	ppm	ASTM D5185m	0	<1	<1	
Magnesium	ppm	ASTM D5185m	950	994	950	
Calcium	ppm	ASTM D5185m	1050	1097	1015	
Phosphorus	ppm	ASTM D5185m	995	1076	1024	
Zinc	ppm	ASTM D5185m	1180	1351	1246	
Sulfur	ppm	ASTM D5185m	2600	3527	3278	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	5	
Sodium	ppm	ASTM D5185m		2	<1	
Potassium	ppm	ASTM D5185m	>20	3	2	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3	0.3	
Nitration	Abs/cm	*ASTM D7624	>20	10.9	9.6	
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.9	20.3	
FLUID DEGRAI	NOITAC	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.6	17.7	
Base Number (BN)	mg KOH/g	ASTM D2896		5.7	6.5	



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Certificate L2367

Laboratory Sample No. Lab Number Unique Number

Test Package : FLEET

: PCA0097592 : 05972017 : 10683967

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received Diagnosed

Diagnostician

: 09 Oct 2023 : Wes Davis

: 06 Oct 2023

**TVA REPAIR LLC** 13915 W ROUTE 30 PLAINFIELD, IL US 60544 Contact: JOSHUA HUBBARD

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

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