

OIL ANALYSIS REPORT

Sodium

ppm

ASTM D5185m

Sample Rating Trend

NORMAL



WOLVO VNL 171 (S/N 4V4NC9EH1PN315469)

Diesel Engine

PETRO CANADA DURON SHP 10W30 (---

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

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.

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GAL)				Sep 2023		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0097439		
Sample Date		Client Info		28 Sep 2023		
Machine Age	mls	Client Info		173000		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINA	TION	method	limit/base	current	history1	history2
Fuel		WC Method	>6.0	<1.0		
Glycol		WC Method		NEG		
WEAR METAI	LS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	29		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>2	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>25	4		
Lead	ppm	ASTM D5185m	>40	1		
Copper	ppm	ASTM D5185m	>330	5		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	0		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	50	60		
Manganese	ppm	ASTM D5185m	0	<1		
Magnesium	ppm	ASTM D5185m	950	904		
Calcium	ppm	ASTM D5185m	1050	985		
Phosphorus	ppm	ASTM D5185m	995	934		
Zinc	nnm	ASTM D5185m	1180	1152		

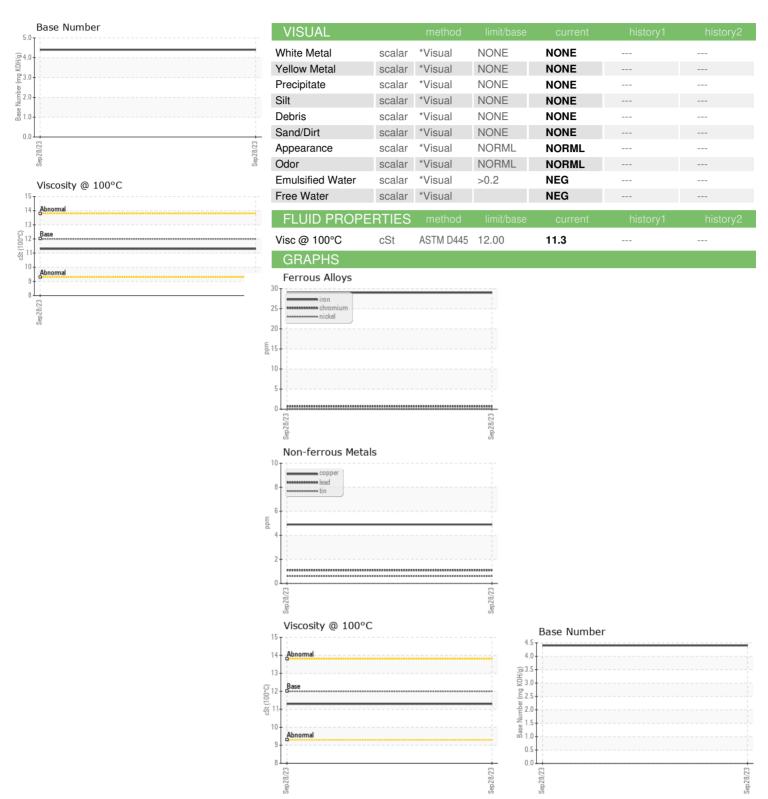
Boron	ppm	ASTM D5185m	2	0		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	50	60		
Manganese	ppm	ASTM D5185m	0	<1		
Magnesium	ppm	ASTM D5185m	950	904		
Calcium	ppm	ASTM D5185m	1050	985		
Phosphorus	ppm	ASTM D5185m	995	934		
Zinc	ppm	ASTM D5185m	1180	1152		
Sulfur	ppm	ASTM D5185m	2600	2933		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6		

Potassium	ppm	ASTM D5185m	>20	6		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4		
Nitration	Abs/cm	*ASTM D7624	>20	11.8		
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.8		
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2

FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	22.7		
Base Number (BN)	mg KOH/g	ASTM D2896		4.4		



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Certificate L2367

Laboratory Sample No. Lab Number Unique Number

: 05971946

: PCA0097439 : 10683896 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 06 Oct 2023 Diagnosed : 09 Oct 2023 : Wes Davis

Diagnostician

PLAINFIELD, IL US 60544 Contact: JOSHUA HUBBARD joshua@tvarepairllc.com

T: (815)306-0330

TVA REPAIR LLC

13915 W ROUTE 30

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)