

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

VOLVO VNL 156 (S/N 4V4NC9

Diesel Engine

PETRO CANADA DURON SHP 10W30 (--- G

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.

9EH4NN304348) GAL)									
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		PCA0097409	PCA0097650	PCA0097522			
Sample Date		Client Info		24 Aug 2023	14 Jul 2023	05 Jun 2023			
Machine Age	mls	Client Info		294000	242000	215000			
Oil Age	mls	Client Info		27000	215000	0			
Oil Changed		Client Info		Changed	Changed	Changed			
Sample Status				NORMAL	NORMAL	NORMAL			
CONTAMINATI	ION	method	limit/base	current	history1	history2			
Fuel		WC Method	>6.0	<1.0	<1.0	<1.0			
Glycol		WC Method		NEG	NEG	NEG			
WEAR METALS	S	method	limit/base	current	history1	history2			
Iron	ppm	ASTM D5185m	>100	16	19	14			
Chromium	ppm	ASTM D5185m	>20	<1	<1	0			

Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	16	19	14
Chromium	ppm	ASTM D5185m	>20	<1	<1	0
Nickel	ppm	ASTM D5185m	>2	0	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>25	5	5	2
Lead	ppm	ASTM D5185m	>40	<1	<1	<1
Copper	ppm	ASTM D5185m	>330	4	6	8
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0

ADDITIVES		method			history1	history2
Boron	ppm	ASTM D5185m	2	0	<1	0
Barium	ppm	ASTM D5185m	0	0	0	2
Molybdenum	ppm	ASTM D5185m	50	62	62	68
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	950	954	1027	964
Calcium	ppm	ASTM D5185m	1050	1003	1140	1130
Phosphorus	ppm	ASTM D5185m	995	1021	1068	1106
Zinc	ppm	ASTM D5185m	1180	1231	1259	1291
Sulfur	ppm	ASTM D5185m	2600	3435	3651	3642

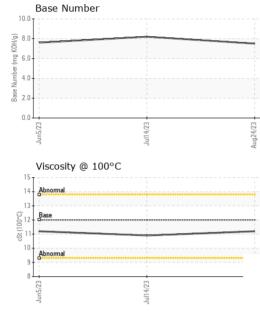
CONTAMINA	ANTS	method				history2
Silicon	ppm	ASTM D5185m	>25	4	5	4
Sodium	ppm	ASTM D5185m		<1	2	0
Potassium	ppm	ASTM D5185m	>20	3	4	4

INFRA-	KED	method			history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.4	0.4
Nitration	Abs/cm	*ASTM D7624	>20	8.5	7.9	7.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.7	19.1	20.0
FLUID	CODADATION		12 25 /4		1111	111

FLUID DEGRAD	OITA	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.6	15.2	17.0
Base Number (BN)	mg KOH/g	ASTM D2896		7.5	8.2	7.6



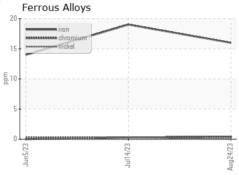
OIL ANALYSIS REPORT

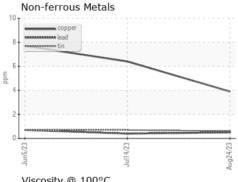


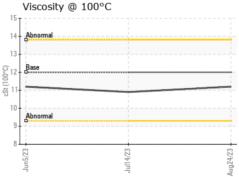
White Metalscalar*VisualYellow Metalscalar*VisualPrecipitatescalar*Visual	NONE NONE	NONE NONE	NONE NONE	NONE NONE
Precipitate scalar *Visual			NONE	NONE
	NONE			IVOIVE
		NONE	NONE	NONE
Silt scalar *Visual	NONE	NONE	NONE	NONE
Debris scalar *Visual	NONE	NONE	NONE	NONE
Sand/Dirt scalar *Visual	NONE	NONE	NONE	NONE
Appearance scalar *Visual	NORML	NORML	NORML	NORML
Odor scalar *Visual	NORML	NORML	NORML	NORML
Emulsified Water scalar *Visual	>0.2	NEG	NEG	NEG
Free Water scalar *Visual		NEG	NEG	NEG

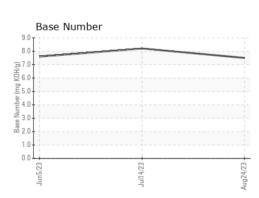
FLUID PROPE	RHES	method	ilmit/base		nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445	12.00	11.2	10.9	11.2

GRAPHS











Certificate L2367

Laboratory Sample No. Lab Number

: PCA0097409 : 05971932 Unique Number : 10683882 Test Package : FLEET

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

Diagnostician : Wes Davis

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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