

OIL ANALYSIS REPORT

Sample Rating Trend

DEGRADATION

Machine Id KENWORTH VS647 Component

Diesel Engine

PETRO CANADA DURON HP 15W40 (--- GAL)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

🔺 Wear

Cylinder, crank, or cam shaft wear is indicated. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The BN level is low. The condition of the oil is acceptable for the time in service.

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L)				Feb2024			
SAMPLE INFORM		method	limit/base	current	hi	story1	history2
			in in base			Story	
Sample Number		Client Info		PCA0112126			
Sample Date	mala	Client Info		23 Feb 2024			
Machine Age	mls mls	Client Info Client Info		661798 36181			
Dil Age Dil Changed	11115	Client Info		Changed			
Sample Status				ABNORMAL			
- -							
CONTAMINAT	ION	method	limit/base	current	hi	story1	history2
Fuel		WC Method	>5	<1.0			
Vater		WC Method	>0.2	NEG			
Glycol		WC Method		NEG			
WEAR METAL	S	method	limit/base	current	hi	story1	history2
ron	ppm	ASTM D5185m	>100	117			
Chromium	ppm	ASTM D5185m	>20	3			
Nickel	ppm	ASTM D5185m	>4	<1			
Fitanium	ppm	ASTM D5185m		2			
Silver	ppm	ASTM D5185m	>3	0			
Aluminum	ppm	ASTM D5185m	>20	12			
ead	ppm	ASTM D5185m	>40	37			
Copper	ppm		>330	3			
Fin	ppm	ASTM D5185m	>15	3			
/anadium	ppm	ASTM D5185m		<1			
Cadmium	ppm	ASTM D5185m		0			
ADDITIVES		method	limit/base	current	hi	story1	history2
Boron	ppm	ASTM D5185m		26			
Barium	ppm	ASTM D5185m		0			
Molybdenum	ppm	ASTM D5185m		69			
Manganese	ppm	ASTM D5185m		1			
Magnesium	ppm	ASTM D5185m		1082			
Calcium	ppm	ASTM D5185m		1522			
Phosphorus	ppm	ASTM D5185m		1154			
Zinc	ppm	ASTM D5185m		1451			
Sulfur	ppm	ASTM D5185m		3090			
CONTAMINAN	TS	method	limit/base	current	hi	story1	history2
Silicon	ppm	ASTM D5185m	>25	12			
Sodium	ppm	ASTM D5185m		4			
Potassium	ppm	ASTM D5185m	>20	3			
INFRA-RED		method	limit/base	current	hi	story1	history2
Soot %	%	*ASTM D7844	>3	1.1			
Nitration	Abs/cm	*ASTM D7624	>20	19.2			
Sulfation	Abs/.1mm	*ASTM D7415	>30	39.8			
		method	limit/base	current	hi	storut	history?
FLUID DEGRAD			limit/base	current		story1	history2
FLUID DEGRAE Oxidation Base Number (BN)	DATION Abs/.1mm mg KOH/g	method *ASTM D7414 ASTM D2896	limit/base >25 9.8	current 44.7 ▲ 3.7	hi 	story1	history2



mqq 60

40

20

19 18 Abnorm

> 13 Abnorma 12

Ba

Feb23/24

eb23

Viscosity @ 100°C

OIL ANALYSIS REPORT

method

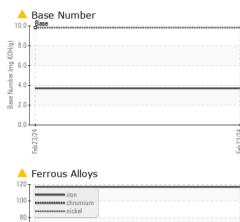
limit/base

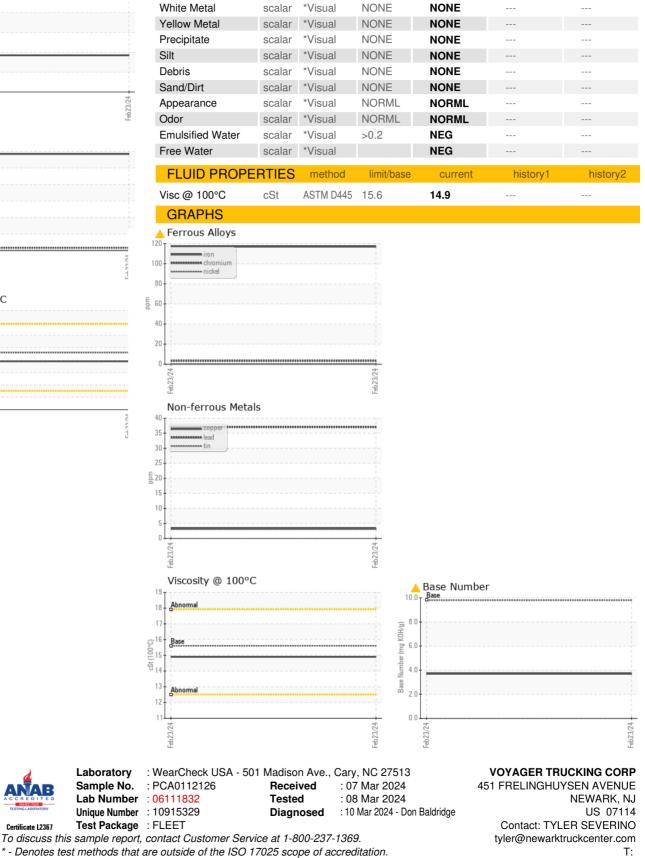
current

history1

history2

VISUAL





Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Certificate L2367

F: