

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Machine Id KENWORTH T800 149 (S/N KCB19968)

Diesel Engine

SHELL ROTELLA T 15W40 (--- GAL)

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.

		1	Jun2023	Oct2023	 ,	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0822265	WC0613612	
Sample Date		Client Info		30 Oct 2023	09 Jun 2023	
Machine Age	mls	Client Info		165402	153250	
Oil Age	mls	Client Info		0	0	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	ABNORMAL	
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Glycol		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	72	<u> </u>	
Chromium	ppm	ASTM D5185m	>20	3	8	
Nickel	ppm	ASTM D5185m	>4	<1	<1	
Titanium	ppm	ASTM D5185m		<1	1	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>20	4	<u> 11</u>	
Lead	ppm	ASTM D5185m	>40	3	9	
Copper	ppm	ASTM D5185m	>330	9	33	
Tin	ppm	ASTM D5185m	>15	2	5	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	316	17	<1	
Barium	ppm	ASTM D5185m	0.0	0	0	
Molybdenum	ppm	ASTM D5185m	1.2	57	59	
Manganese	ppm	ASTM D5185m		<1	2	
Magnesium	ppm	ASTM D5185m	24	703	882	
Calcium	ppm	ASTM D5185m	2292	1283	1156	
Phosphorus	ppm	ASTM D5185m	1064	960	948	
Zinc	ppm	ASTM D5185m	1160	1172	1207	
Sulfur	ppm	ASTM D5185m	4996	2833	2508	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	24	△ 65	
Sodium	ppm	ASTM D5185m		3	6	
Potassium	ppm	ASTM D5185m	>20	<1	4	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.4	1.9	
Nitration	Abs/cm	*ASTM D7624	>20	8.9	10.9	
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.2	25.6	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.7	21.2	
Base Number (BN)	mg KOH/g	ASTM D2896	10.1	7.8	6.2	
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Laboratory Sample No. Lab Number **Unique Number**

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 05997179

: WC0822265 : 10725539

Received Diagnosed

: 02 Nov 2023 : 04 Nov 2023 Diagnostician : Don Baldridge

Test Package : MOB 1 (Additional Tests: TBN)

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) **JOHNSON BREEDERS**

3425 HWY 117N ROSE HILL, NC US 28458

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