

# **OIL ANALYSIS REPORT**

Sample Rating Trend



**NORMAL** 



Machine Id

# KENWORTH T880 5739 (S/N Y322771)

Diesel Engine

SHELL ROTELLA T 15W40 (--- GAL)

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### 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

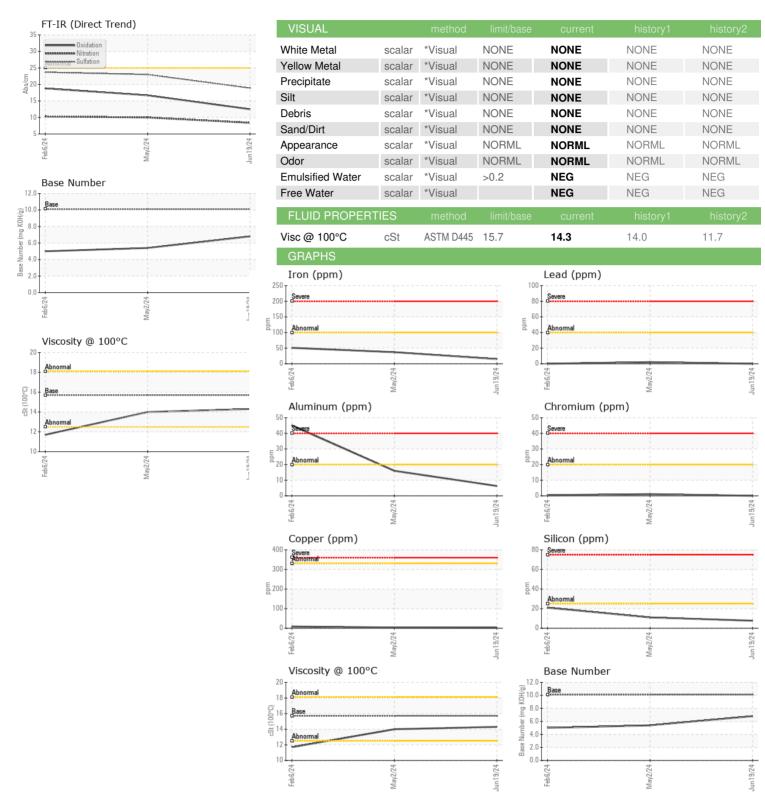
### **Fluid Condition**

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

	Feb.2024 May2024 Jun2024					
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0917305	WC0878952	WC0878898
Sample Date		Client Info		19 Jun 2024	02 May 2024	06 Feb 2024
Machine Age	mls	Client Info		0	31752	17996
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	١	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	0.5
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	15	37	51
Chromium	ppm	ASTM D5185m	>20	0	1	<1
Nickel	ppm	ASTM D5185m	>4	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>3	<1	<1	<1
Aluminum	ppm	ASTM D5185m	>20	6	16	45
Lead	ppm	ASTM D5185m	>40	0	2	0
Copper	ppm	ASTM D5185m	>330	2	4	9
Tin	ppm	ASTM D5185m	>15	<1	3	2
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	2	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	316	12	6	27
Barium	ppm	ASTM D5185m	0.0	0	0	<1
Molybdenum	ppm	ASTM D5185m	1.2	17	17	7
Manganese	ppm	ASTM D5185m		<1	2	2
Magnesium	ppm	ASTM D5185m	24	197	324	752
Calcium	ppm	ASTM D5185m	2292	2225	2170	1233
Phosphorus	ppm	ASTM D5185m	1064	964	1008	738
Zinc	ppm	ASTM D5185m	1160	1178	1189	864
Sulfur	ppm	ASTM D5185m	4996	4192	4287	2862
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	8	11	21
Sodium	ppm	ASTM D5185m		1	3	4
Potassium	ppm	ASTM D5185m	>20	17	44	126
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3	0.4	0.2
Nitration	Abs/cm	*ASTM D7624	>20	8.4	10.0	10.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.9	23.0	23.7
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	12.5	16.7	18.8
Base Number (BN)	mg KOH/g	ASTM D2896	10.1	6.8	5.4	5.0



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

: WC0917305 Lab Number : 06220519 Unique Number : 11098716

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 25 Jun 2024 **Tested** 

: 26 Jun 2024 Diagnosed

: 27 Jun 2024 - Don Baldridge Test Package : MOB 1 ( Additional Tests: TBN )

ROSE HILL, NC US 28458 Contact: GREG JONES gregory.jones@houseofraeford.com T: (910)289-6884

Contact/Location: GREG JONES - JOHROSNC

\* - 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)

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

**JOHNSON BREEDERS** 

3425 HWY 117N