

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KENWORTH T880 4917 (S/N 1XKZDP9X8PJ239969)

Diesel Engine

SHELL ROTELLA T 15W40 (--- GAL)

DIACNOCIC

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

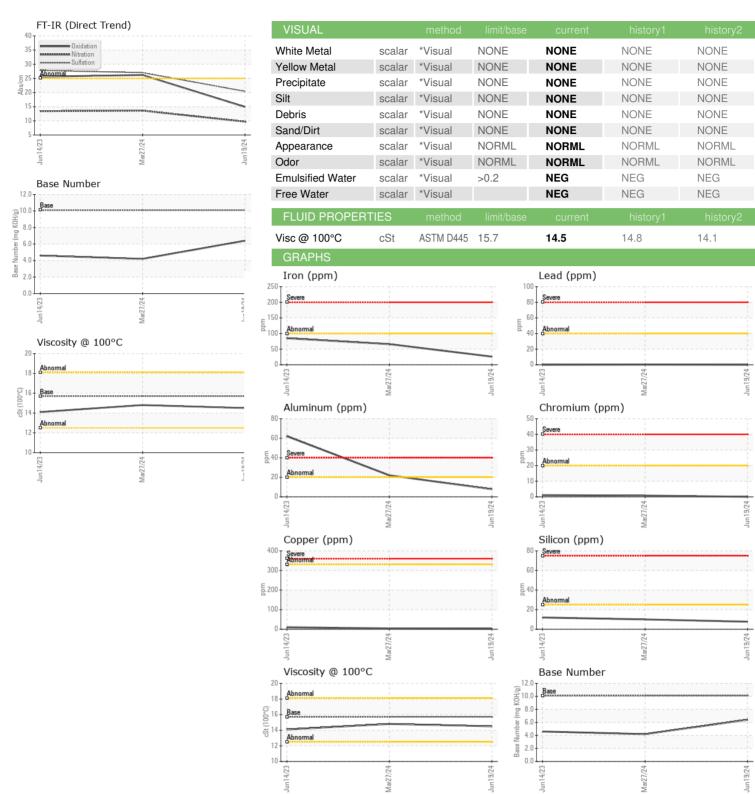
Fluid Condition

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

	Jun2023 Mu2024 Jun2024					
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0917303	WC0878863	WC0613615
Sample Date		Client Info		19 Jun 2024	27 Mar 2024	14 Jun 2023
Machine Age	mls	Client Info		45193	32724	24826
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	<1.0
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	26	66	85
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	0	0
Aluminum	ppm	ASTM D5185m	>20	8	22	62
Lead	ppm	ASTM D5185m	>40	0	<1	0
Copper	ppm	ASTM D5185m	>330	2	4	10
Tin	ppm	ASTM D5185m	>15	<1	2	1
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	316	11	13	4
Barium	ppm	ASTM D5185m	0.0	0	0	0
Molybdenum	ppm	ASTM D5185m	1.2	25	55	48
Manganese	ppm	ASTM D5185m		1	1	3
Magnesium	ppm	ASTM D5185m	24	300	746	918
Calcium	ppm	ASTM D5185m	2292	2084	1693	1452
Phosphorus	ppm	ASTM D5185m	1064	983	1122	1030
Zinc	ppm	ASTM D5185m ASTM D5185m	1160	1211	1386	1260 3480
Sulfur	ppm		4996	4042	3874	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	8	10	12
Sodium	ppm	ASTM D5185m	. 20	2	2	3
Potassium	ppm	ASTM D5185m		19	57	152
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3	0.5	0.5
Nitration	Abs/cm	*ASTM D7624	>20	9.7	13.6	13.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.4	27.0	27.8
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.9	26.2	25.6
Base Number (BN)	mg KOH/g	ASTM D2896	10.1	6.4	4.2	4.6



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Certificate 12367

Laboratory Sample No.

: WC0917303 Lab Number : 06220503 Unique Number : 11098700

: 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)

3425 HWY 117N ROSE HILL, NC US 28458 Contact: GREG JONES

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JOHNSON BREEDERS

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. gregory.jones@houseofraeford.com T: (910)289-6884

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Report Id: JOHROSNC [WUSCAR] 06220503 (Generated: 06/30/2024 17:04:19) Rev: 1