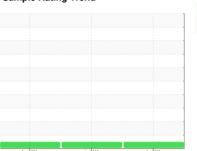


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

KENWORTH T880 5378 (S/N Y289359)

Diesel Engine

SHELL ROTELLA T 15W40 (--- GAL)

Recommendation

Resample at the next service interval to monitor.

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the

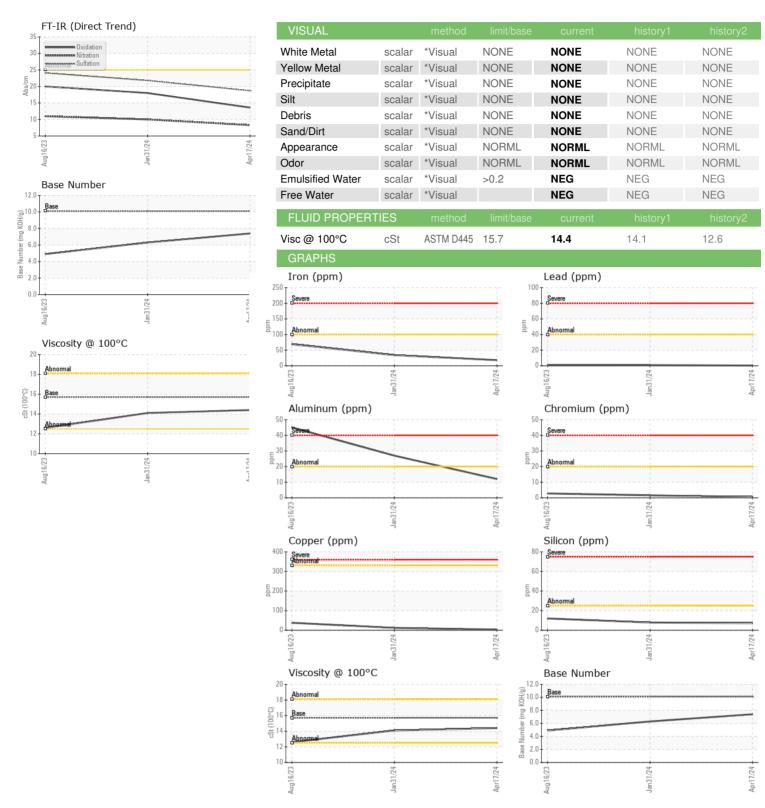
Fluid Condition

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

	Aug2023 Jm2024 Apr2024					
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0878959	WC0878901	WC0822281
Sample Date		Client Info		17 Apr 2024	31 Jan 2024	16 Aug 2023
Machine Age	mls	Client Info		34955	31626	21279
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	18	34	69
Chromium	ppm	ASTM D5185m	>20	<1	2	3
Nickel	ppm	ASTM D5185m	>4	<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>3	0	<1	<1
Aluminum	ppm	ASTM D5185m	>20	12	27	45
Lead	ppm	ASTM D5185m	>40	<1	<1	<1
Copper	ppm	ASTM D5185m	>330	4	12	38
Tin	ppm	ASTM D5185m	>15	<1	<1	1
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		<1	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	316	19	17	18
Barium	ppm	ASTM D5185m	0.0	0	0	0
Molybdenum	ppm	ASTM D5185m	1.2	35	48	26
Manganese	ppm	ASTM D5185m		<1	1	2
Magnesium	ppm	ASTM D5185m	24	361	651	858
Calcium	ppm	ASTM D5185m	2292	1900	1409	1362
Phosphorus	ppm	ASTM D5185m	1064	1025	922	829
Zinc	ppm	ASTM D5185m	1160	1157	1137	996 3382
Sulfur	ppm	ASTM D5185m	4996	3618	3477	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm		>25	7	8	12
Sodium	ppm	ASTM D5185m	00	0	0	5
Potassium	ppm	ASTM D5185m		30	75	148
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.3	0.3
Nitration	Abs/cm	*ASTM D7624	>20	8.3	10.0	11.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.7	21.8	24.1
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.6	18.0	20.0
Base Number (BN)	mg KOH/g	ASTM D2896	10.1	7.4	6.3	4.9



OIL ANALYSIS REPORT







Certificate 12367

Sample No.

Lab Number : 06155167

: WC0878959 Unique Number : 10990590

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 19 Apr 2024 **Tested** : 22 Apr 2024

Diagnosed : 22 Apr 2024 - Wes Davis 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)

Contact/Location: GREG JONES - JOHROSNC

JOHNSON BREEDERS

Contact: GREG JONES

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