

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KENWORTH T880 5689 (S/N 1XKZBP9X3RJ361013)

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

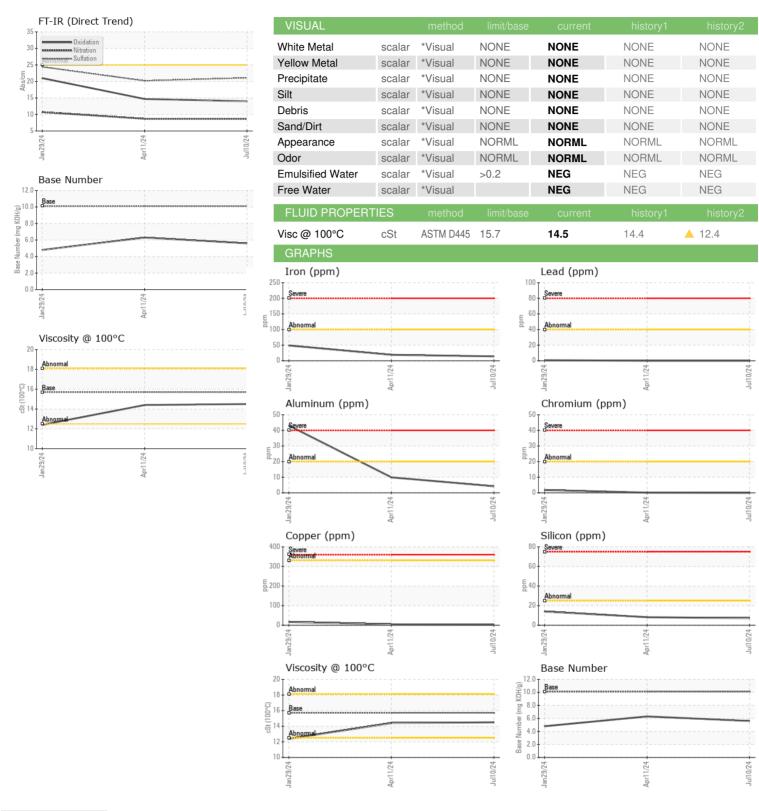
Fluid Condition

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

Jan2024 Apr2024 Jul2024						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0917309	WC0878962	WC0878894
Sample Date		Client Info		10 Jul 2024	11 Apr 2024	29 Jan 2024
Machine Age	mls	Client Info		46431	35733	0
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	NORMAL	MARGINAL
CONTAMINATION	١	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	0.4
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	14	19	49
Chromium	ppm	ASTM D5185m	>20	0	<1	2
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	<1	<1	<1
Aluminum	ppm	ASTM D5185m	>20	4	10	43
Lead	ppm	ASTM D5185m	>40	0	0	<1
Copper	ppm	ASTM D5185m	>330	3	5	17
Tin	ppm	ASTM D5185m	>15	<1	<1	2
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	316	8	13	16
Barium	ppm	ASTM D5185m	0.0	0	0	0
Molybdenum	ppm	ASTM D5185m	1.2	18	29	11
Manganese	ppm	ASTM D5185m		0	<1	2
Magnesium	ppm	ASTM D5185m	24	214	434	799
Calcium	ppm	ASTM D5185m	2292	2163	2065	1224
Phosphorus	ppm	ASTM D5185m	1064	995	1091	747
Zinc	ppm	ASTM D5185m	1160	1193	1286	847
Sulfur	ppm	ASTM D5185m	4996	4147	4267	2601
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	7	8	14
Sodium	ppm	ASTM D5185m		1	1	4
Potassium	ppm	ASTM D5185m	>20	11	27	126
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.2	0.3
Nitration	Abs/cm	*ASTM D7624	>20	8.7	8.7	10.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.1	20.2	24.4
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.0	14.7	21.0
Base Number (BN)	mg KOH/g	ASTM D2896	10.1	5.6	6.3	4.8



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No.

: WC0917309 Lab Number : 06239683 Unique Number : 11128517

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested** Diagnosed

: 17 Jul 2024 : 18 Jul 2024 : 19 Jul 2024 - Sean Felton Test Package : MOB 1 (Additional Tests: TBN)

US 28458 Contact: GREG JONES gregory.jones@houseofraeford.com

JOHNSON BREEDERS

3425 HWY 117N

ROSE HILL, NC

T: (910)289-6884

* - 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.