

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **KENWORTH 014**

Component

Diesel Engine

{not provided} (--- GAL)

Ν		

Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 40 Diesel Engine Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

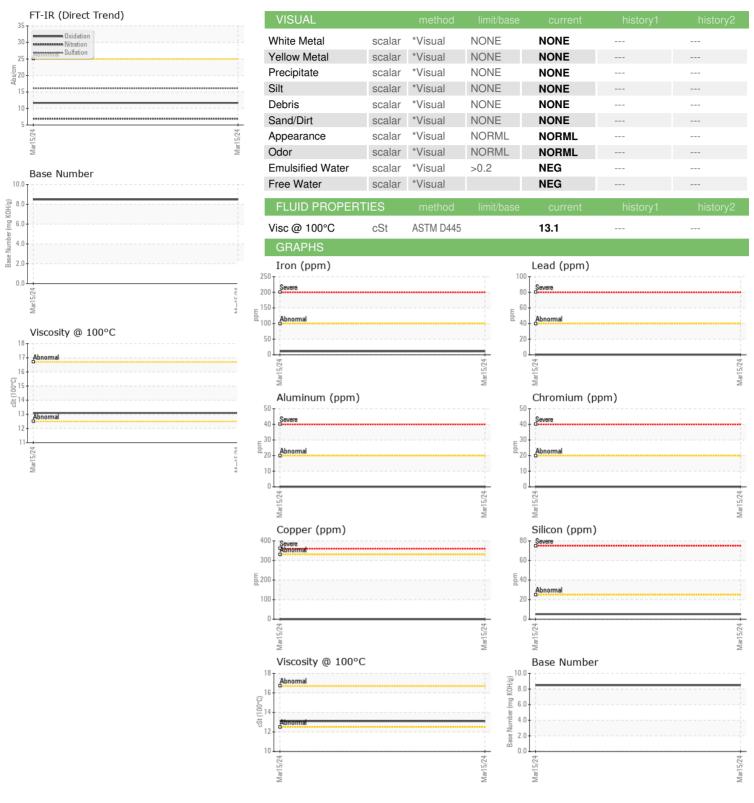
Fluid Condition

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

				Mar2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RW0005156		
Sample Date		Client Info		15 Mar 2024		
Machine Age	hrs	Client Info		6954		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATION	١	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	11		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	0		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	0		
Tin	ppm	ASTM D5185m	>15	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		63		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		1		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		68		
Calcium	ppm	ASTM D5185m		2466		
Phosphorus	ppm	ASTM D5185m		1128		
Zinc	ppm	ASTM D5185m		1324		
Sulfur	ppm	ASTM D5185m		5285		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m		1		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1		
Nitration	Abs/cm	*ASTM D7624	>20	6.9		
Sulfation	Abs/.1mm	*ASTM D7415	>30	16.1		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	11.7		
Base Number (BN)	mg KOH/g	ASTM D2896		8.48		



OIL ANALYSIS REPORT







Laboratory Sample No.

Lab Number : 06146742 Unique Number : 10976820

: RW0005156

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 11 Apr 2024

Tested : 15 Apr 2024 Diagnosed : 15 Apr 2024 - Wes Davis

Contact: DAN HALLACK KARL BUTCHER

HALLACK CONTRACTING, INC. 4223 W POLK HART, MI US 49420

Test Package : MOB 2 Certificate 12367 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.

shop@hallackcontracting.com T: (231)873-5081

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Report Id: HALHAR [WUSCAR] 06146742 (Generated: 04/15/2024 10:41:43) Rev: 1

Contact/Location: DAN HALLACK KARL BUTCHER - HALHAR

F: (231)873-2889