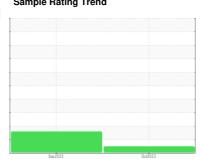


# **OIL ANALYSIS REPORT**

Sample Rating Trend



NORMAL



# KENWORTH 337

Component

**Diesel Engine** 

DIESEL ENGINE OIL SAE 15W40 (--- GAL)

### DIAGNOSIS

### 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

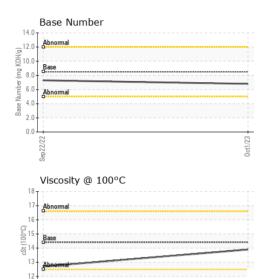
### **Fluid Condition**

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

			Sep 2022	0 ct 2023		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number	VII/ (11101 <b>(</b>	Client Info	mmobacc	PCA0082905	PCA0069332	
Sample Date		Client Info		01 Oct 2023	22 Sep 2022	
Machine Age	mls	Client Info		1043843	979804	
Oil Age	mls	Client Info		0	21655	
Oil Changed	0	Client Info		N/A	Changed	
Sample Status				NORMAL	ABNORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	42	38	
Chromium	ppm	ASTM D5185m	>20	2	2	
Nickel	ppm	ASTM D5185m	>4	<1	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>20	3	1	
Lead	ppm	ASTM D5185m	>40	6	10	
Copper	ppm	ASTM D5185m	>330	10	8	
Tin	ppm	ASTM D5185m	>15	2	3	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		<1	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	116	4	
Barium	ppm	ASTM D5185m	10	2	0	
Molybdenum	ppm	ASTM D5185m	100	100	57	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m	450	845	912	
Calcium	ppm	ASTM D5185m	3000	1546	1017	
Phosphorus	ppm	ASTM D5185m	1150	941	938	
Zinc	ppm	ASTM D5185m	1350	1132	1180	
Sulfur	ppm	ASTM D5185m	4250	3253	2947	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	7	<u>^</u> 26	
Sodium	ppm	ASTM D5185m	>158	<1	8	
Potassium	ppm	ASTM D5185m	>20	6	18	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.4	
Nitration	Abs/cm	*ASTM D7624	>20	11.1	10.6	
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.0	24.9	
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	26.7	25.2	
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	6.8	7.3	



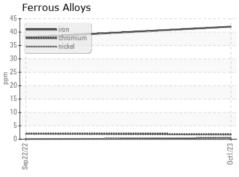
# **OIL ANALYSIS REPORT**



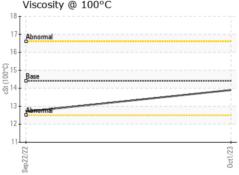
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
<b>Emulsified Water</b>	scalar	*Visual	>0.2	NEG	NEG	
Free Water	scalar	*Visual		NEG	NEG	

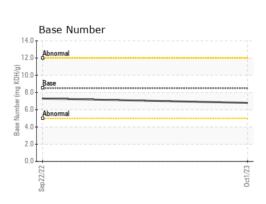
FLUID PROP	ERIIES	method	ilmit/base	current	nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445	14.4	13.9	12.7	

### **GRAPHS**



Non-fer	rrous Metals	
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6 -		
4	***************************************	
2		
Sep22/22		0ct1/23
\ (!!b	L. @ 1000C	









Certificate L2367

Laboratory Sample No.

Lab Number : 06128553 Unique Number : 10942704

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0082905

Test Package : FLEET

Received : 25 Mar 2024 **Tested** : 26 Mar 2024

Diagnosed : 28 Mar 2024 - Don Baldridge 10895 171ST AVE NW ELK RIVER, MN

US 55330 Contact: JAY LEFEBVRE jay.lefebvre@leftruck.com

**LEFEBVRE AND SONS** 

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)

Report Id: LEFELK [WUSCAR] 06128553 (Generated: 03/28/2024 12:10:47) Rev: 1

Contact/Location: JAY LEFEBVRE - LEFELK

T:

F: