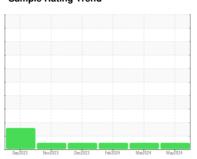


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **KENWORTH 329234**

Component

Component

Diesel Engine

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

DIAGNOSIS

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.

		Sep 2023	Nov2023 Dec2023	Feb 2024 Mar 2024	May2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0838242	WC0838320	WC0838240
Sample Date		Client Info		29 May 2024	20 Mar 2024	05 Feb 2024
Machine Age	mls	Client Info		563426	553578	542060
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	Ν	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	10	9	7
Chromium	ppm	ASTM D5185m	>20	<1	<1	0
Nickel	ppm	ASTM D5185m	>4	0	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	3	3	2
Lead	ppm	ASTM D5185m	>40	3	4	<1
Copper	ppm	ASTM D5185m	>330	1	2	0
Tin	ppm	ASTM D5185m	>15	1	2	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		<1	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	1	0	2
Barium	ppm	ASTM D5185m	10	0	1	0
Molybdenum	ppm	ASTM D5185m	100	63	69	58
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	450	1019	1040	962
Calcium	ppm	ASTM D5185m	3000	1119	1273	1010
Phosphorus	ppm	ASTM D5185m	1150	1035	1159	1063
Zinc	ppm	ASTM D5185m	1350	1312	1394	1273
Sulfur	ppm	ASTM D5185m	4250	3780	4529	3130
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	7	5
Sodium	ppm	ASTM D5185m	>158	2	0	1
Potassium	ppm	ASTM D5185m	>20	2	2	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.3	0.1
Nitration	Abs/cm	*ASTM D7624	>20	7.9	8.2	7.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.1	20.5	19.6
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.5	16.3	14.9
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	9.4	10.2	9.3
()	0 - 0					



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WC0838242 Lab Number : 06207304 Unique Number : 11074765

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 11 Jun 2024 **Tested** Diagnosed

: 18 Jun 2024

: 18 Jun 2024 - Jonathan Hester

CADE FORESTRY 9128 LINWOOD AVE SHREVEPORT, LA US 71106

Contact: Service Manager

Test Package : FLEET (Additional Tests: KV40) 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) T: (318)688-5119 F: