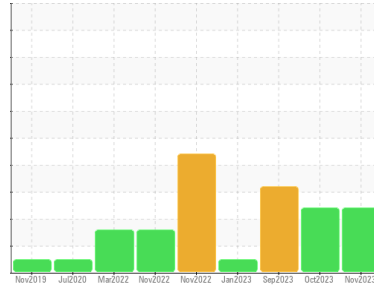




PROBLEM SUMMARY

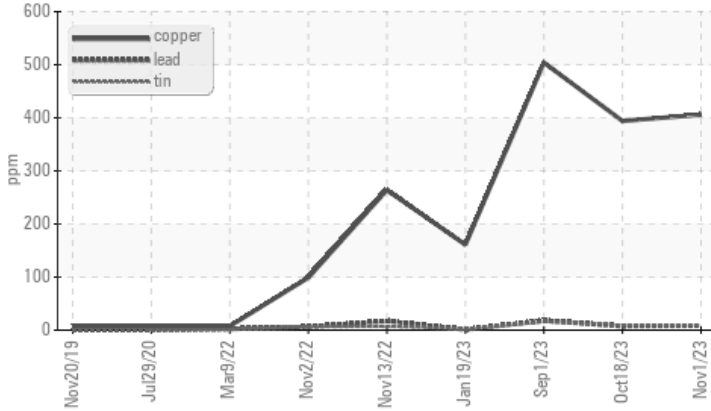
Sample Rating Trend



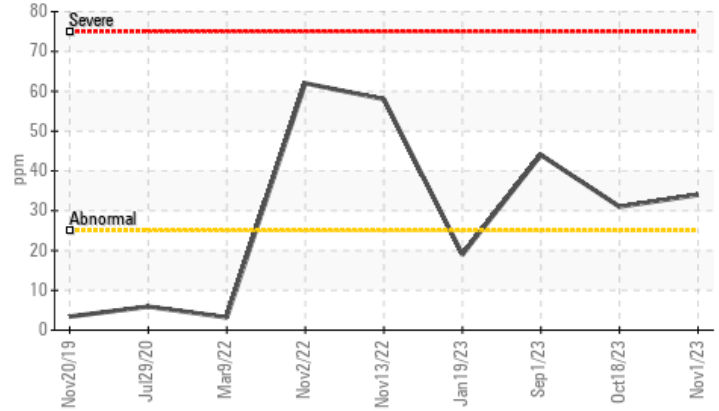
Machine Id
KENWORTH 92
 Component
Diesel Engine
 Fluid
SHELL ROTELLA T 15W40 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Non-ferrous Metals



▲ Silicon (ppm)



RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	ABNORMAL	ABNORMAL
Copper	ppm	ASTM D5185m	>330	▲ 406	▲ 394
Silicon	ppm	ASTM D5185m	>25	▲ 34	▲ 31
					▲ 44

Customer Id: JIMCLO
 Sample No.: KL0011621
 Lab Number: 05999732
 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid	---	---	?	Oil and filter change at the time of sampling has been noted.
Change Filter	---	---	?	Oil and filter change at the time of sampling has been noted.

HISTORICAL DIAGNOSIS

18 Oct 2023 Diag: Don Baldrige

DIRT



No corrective action is recommended at this time. Resample at the next service interval to monitor. Bearing and/or bushing wear is indicated. Elemental level of silicon (Si) above normal. The amount and size of particulates present in the system are acceptable. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

view report



01 Sep 2023 Diag: Jonathan Hester

DIRT



No corrective action is recommended at this time. No corrective action is recommended at this time. Resample at the next service interval to monitor. Bearing and/or bushing wear is indicated. Elemental level of silicon (Si) above normal indicating ingress of seal material. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

view report



19 Jan 2023 Diag: Wes Davis

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

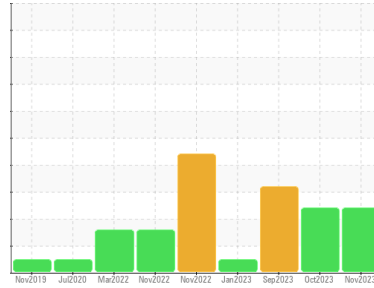
view report





OIL ANALYSIS REPORT

Sample Rating Trend



DIRT



Machine Id
KENWORTH 92

Component
Diesel Engine

Fluid
SHELL ROTELLA T 15W40 (--- GAL)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

Bearing and/or bushing wear is indicated.

Contamination

Elemental level of silicon (Si) above normal.

Fluid Condition

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

SAMPLE INFORMATION

method	limit/base	current	history1	history2	
Sample Number	Client Info	KL0011621	KL0009776	KL0011619	
Sample Date	Client Info	01 Nov 2023	18 Oct 2023	01 Sep 2023	
Machine Age	mls	Client Info	925273	924972	911027
Oil Age	mls	Client Info	26400	26099	12154
Oil Changed	Client Info	Changed	Not Changd	Not Changd	
Sample Status		ABNORMAL	ABNORMAL	ABNORMAL	

CONTAMINATION

method	limit/base	current	history1	history2	
Fuel	WC Method	>5	<1.0	<1.0	<1.0

WEAR METALS

method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185m	>100	57	53	41
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	<1	<1	<1
Titanium	ppm	ASTM D5185m	>2	0	0	0
Silver	ppm	ASTM D5185m	>2	<1	<1	<1
Aluminum	ppm	ASTM D5185m	>25	2	2	0
Lead	ppm	ASTM D5185m	>40	8	8	18
Copper	ppm	ASTM D5185m	>330	406	394	504
Tin	ppm	ASTM D5185m	>15	10	9	16
Vanadium	ppm	ASTM D5185m		<1	<1	<1
Cadmium	ppm	ASTM D5185m		0	0	0

ADDITIVES

method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185m	316	81	78	127
Barium	ppm	ASTM D5185m	0.0	0	0	0
Molybdenum	ppm	ASTM D5185m	1.2	68	68	14
Manganese	ppm	ASTM D5185m		2	2	2
Magnesium	ppm	ASTM D5185m	24	267	251	60
Calcium	ppm	ASTM D5185m	2292	1922	1866	2069
Phosphorus	ppm	ASTM D5185m	1064	1002	955	942
Zinc	ppm	ASTM D5185m	1160	1180	1147	1168
Sulfur	ppm	ASTM D5185m	4996	3130	3038	3344

CONTAMINANTS

method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>25	34	31	44
Sodium	ppm	ASTM D5185m		0	0	2
Potassium	ppm	ASTM D5185m	>20	1	4	11
Glycol	%	*ASTM D2982		NEG	NEG	NEG

INFRA-RED

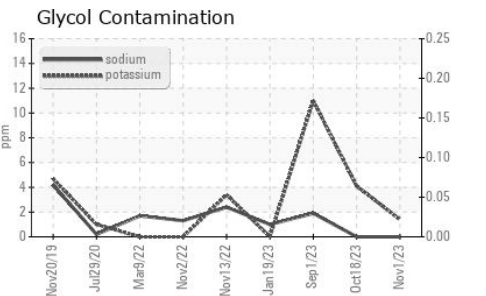
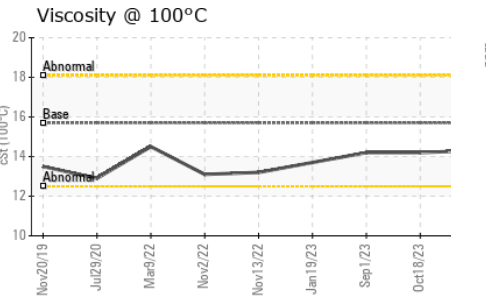
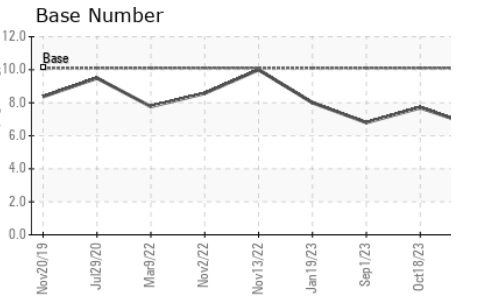
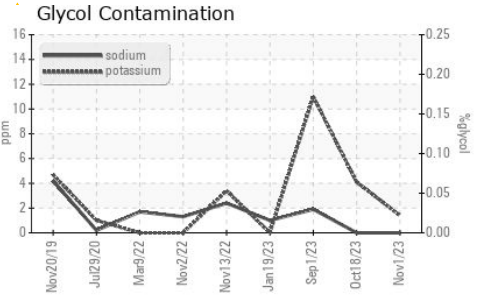
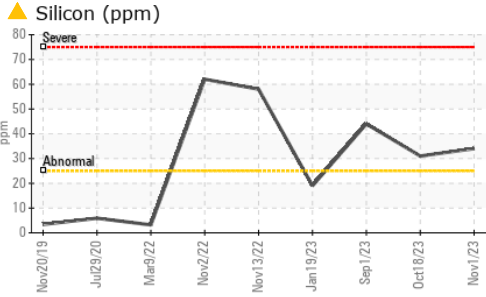
method	limit/base	current	history1	history2		
Soot %	%	*ASTM D7844	>3	0.8	0.8	0.6
Nitration	Abs/cm	*ASTM D7624	>20	8.0	7.9	7.6
Sulfation	Abs./1mm	*ASTM D7415	>30	21.6	21.6	21.1

FLUID DEGRADATION

method	limit/base	current	history1	history2		
Oxidation	Abs./1mm	*ASTM D7414	>25	18.0	18.0	17.0
Base Number (BN)	mg KOH/g	ASTM D2896	10.1	6.6	7.70	6.8



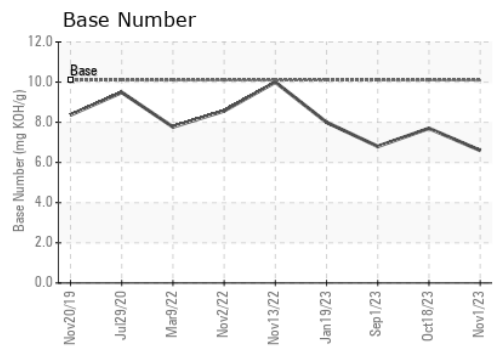
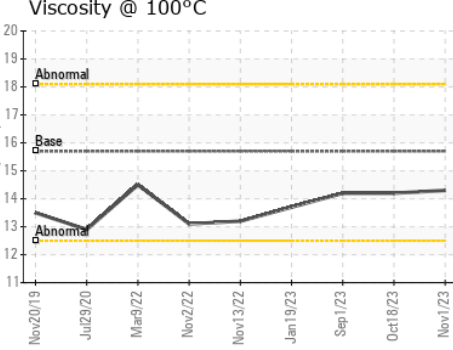
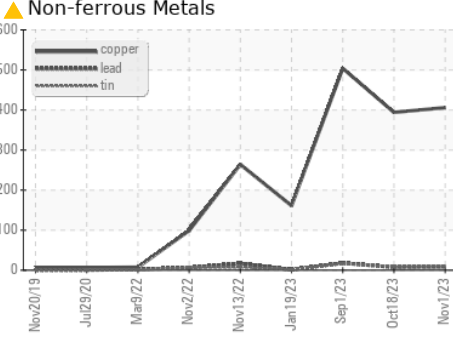
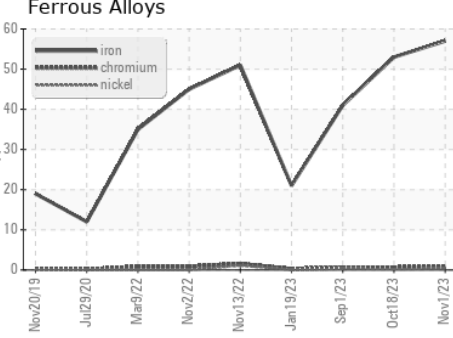
OIL ANALYSIS REPORT



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
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.7	14.3	14.2

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KL0011621 **Received** : 06 Nov 2023
Lab Number : **05999732** **Diagnosed** : 08 Nov 2023
Unique Number : 10728092 **Diagnostician** : Don Baldrige
Test Package : FLEET (Additional Tests: Glycol)

JIMENEZ CUSTOM HARVESTING, INC.
 1000 WEST BRADY
 CLOVIS, NM
 US 88101
 Contact: JOHN JIMENEZ
 juan@sileros.com
 T: (505)769-2786
 F: (505)769-1817

Certificate L2367
 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)