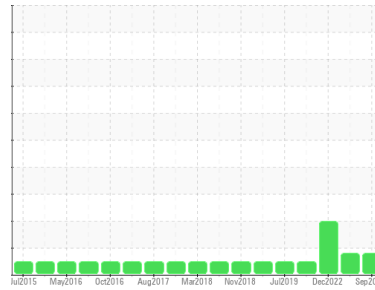




PROBLEM SUMMARY

Sample Rating Trend



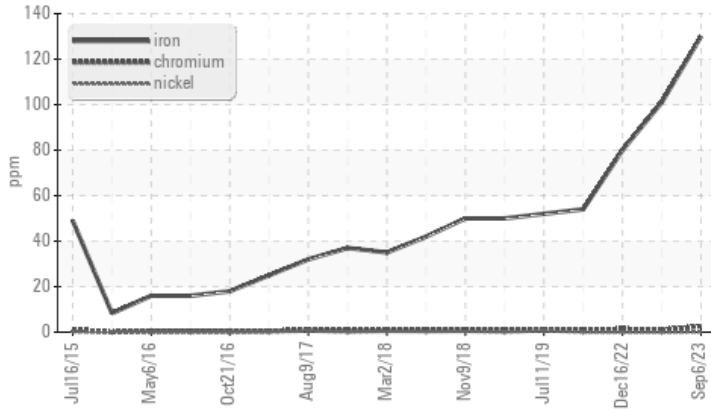
Machine Id
AUTOCAR 1199E

Component
Diesel Engine

Fluid
PURUS SYNTHETIC BLEND 15W40 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Ferrous Alloys



RECOMMENDATION

No corrective action is recommended at this time.
Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status	ABNORMAL	ABNORMAL	ATTENTION
Iron	ppm	ASTM D5185m	>90
	▲ 130	▲ 101	80

Customer Id: RUIRUI
Sample No.: KL0013226
Lab Number: 05966136
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

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

04 May 2023 Diag: Doug Bogart

WEAR



No corrective action is recommended at this time. Resample at the next service interval to monitor. Cylinder, crank, or cam shaft wear is indicated. 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



16 Dec 2022 Diag: Don Baldrige

ISO



No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of particulates present 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



28 Feb 2020 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.

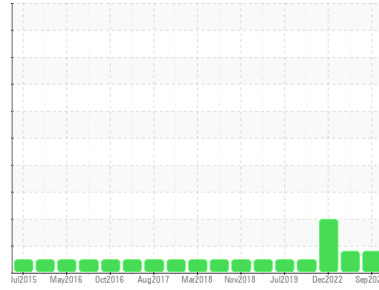
view report





OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
AUTOCAR 1199E

Component
Diesel Engine

Fluid
PURUS SYNTHETIC BLEND 15W40 (--- GAL)

DIAGNOSIS

Recommendation
No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear
Cylinder, crank, or cam shaft wear is indicated. All other 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.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		KL0013226	KL0011470	KL0007994
Sample Date	Client Info		06 Sep 2023	04 May 2023	16 Dec 2022
Machine Age	mls	Client Info	114654	112070	107897
Oil Age	mls	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			ABNORMAL	ABNORMAL	ATTENTION

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>3.0	<1.0	<1.0	<1.0
Glycol	WC Method		NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >90	▲ 130	▲ 101	80
Chromium	ppm	ASTM D5185m >4	3	1	1
Nickel	ppm	ASTM D5185m >4	<1	0	0
Titanium	ppm	ASTM D5185m >2	<1	0	0
Silver	ppm	ASTM D5185m >2	0	0	0
Aluminum	ppm	ASTM D5185m >15	3	5	2
Lead	ppm	ASTM D5185m >50	34	23	17
Copper	ppm	ASTM D5185m >55	18	14	13
Tin	ppm	ASTM D5185m >4	4	2	0
Antimony	ppm	ASTM D5185m	---	---	---
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	52	37	34
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	79	65	63
Manganese	ppm	ASTM D5185m	3	<1	1
Magnesium	ppm	ASTM D5185m	866	630	575
Calcium	ppm	ASTM D5185m	1907	1763	1737
Phosphorus	ppm	ASTM D5185m	1321	1116	1019
Zinc	ppm	ASTM D5185m	1632	1394	1187
Sulfur	ppm	ASTM D5185m	3771	3751	3577

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	9	6	6
Sodium	ppm	ASTM D5185m	12	8	7
Potassium	ppm	ASTM D5185m >20	6	2	0

INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >6	1.5	1.7	1.5
Nitration	Abs/cm	*ASTM D7624 >20	11.1	12.3	12.4
Sulfation	Abs/.1mm	*ASTM D7415 >30	27.9	31.6	30.7

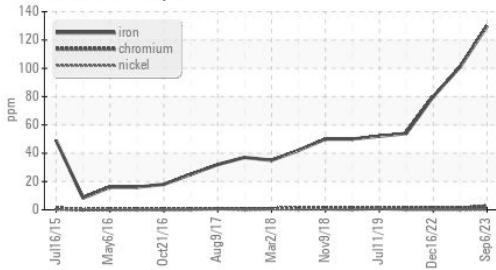
FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	25.5	29.8	28.4
Base Number (BN)	mg KOH/g	ASTM D2896 10	5.0	4.3	5.20



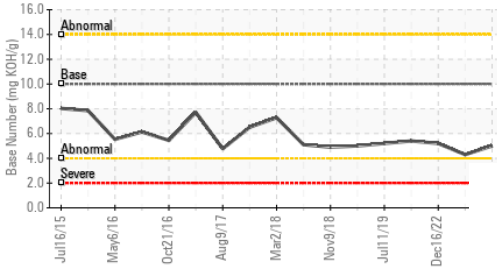
OIL ANALYSIS REPORT

▲ Ferrous Alloys



PARAMETER	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

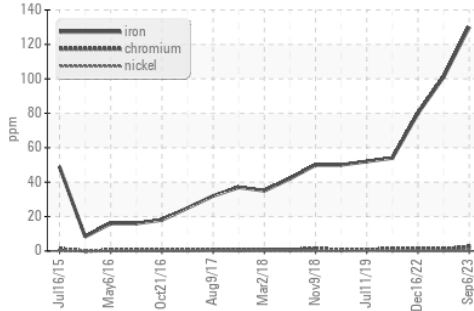
Base Number



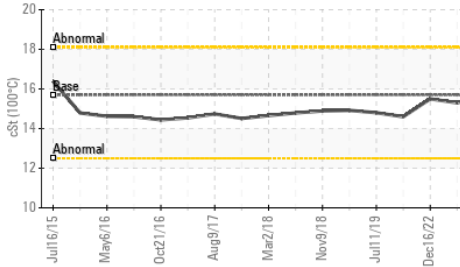
PARAMETER	method	limit/base	current	history1	history2
FLUID PROPERTIES					
Visc @ 100°C	cSt	ASTM D445	15.7	15.3	15.5

GRAPHS

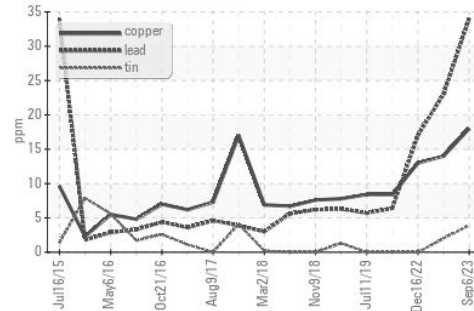
▲ Ferrous Alloys



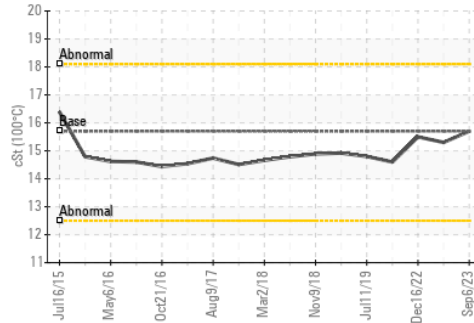
Viscosity @ 100°C



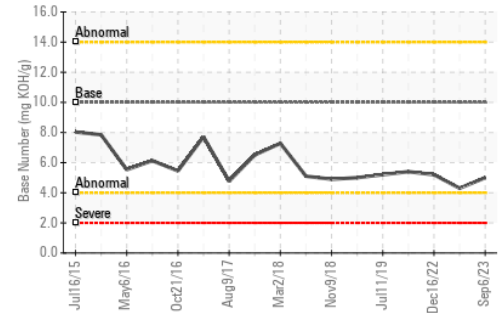
Non-ferrous Metals



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KL0013226 **Received** : 02 Oct 2023
Lab Number : 05966136 **Diagnosed** : 03 Oct 2023
Unique Number : 10672687 **Diagnostician** : Don Baldrige
Test Package : FLEET

VILLAGE OF RUIDOSO
 313 CREE MEADOWS DR
 RUIDOSO, NM
 US 88355
 Contact: JERRY PARSONS
 jerryparsons@ruidoso-nm.gov
 T: (575)257-1702
 F: x:

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)