

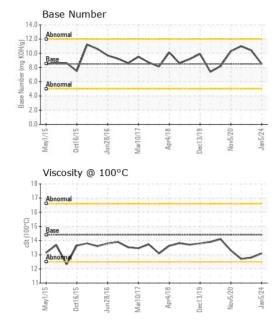
WEAR CONTAMINATION FLUID CONDITION

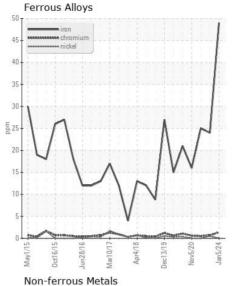
NORMAL NORMAL NORMAL

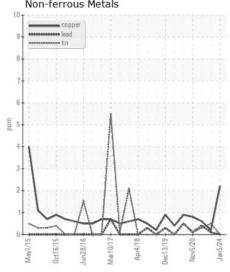
Machine Id **14420**

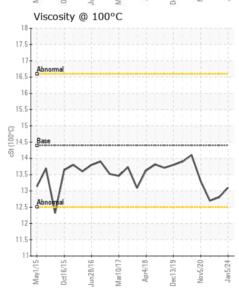
Component **Diesel Engine**

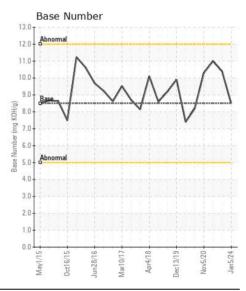
Diesel Engine							
DIESEL ENGINE OIL SAE 15W40 (QTS)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.	Sample Number		Client Info		WC0852329	WC0801252	
	Sample Date		Client Info		05 Jan 2024	08 Jun 2023	27 Apr 202
	Machine Age	mls	Client Info		0	0	133673
	Oil Age	mls	Client Info		0	0	4396
	Filter Age	mls	Client Info		0	0	4396
	Oil Changed		Client Info		N/A	N/A	N/A
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	49	24	25
	Chromium	ppm	ASTM D5185m	>20	1	<1	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>4	0	<1	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m	>3	0	0	<1
	Aluminum	ppm	ASTM D5185m	>20	15	9	9
	Lead	ppm	ASTM D5185m	>40	0	<1	<1
	Copper	ppm	ASTM D5185m	>330	2	<1	<1
	Tin	ppm	ASTM D5185m	>15	0	<1	<1
	Vanadium	ppm	ASTM D5185m		0	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Ciliana		ACTM DE10E	05			0
CONTAMINATION	Silicon	ppm	ASTM D5185m		6	5	3
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		26	10	10
	Fuel		WC Method		<1.0	<1.0 NEG	<1.0 NEG
	Water Glycol		WC Method WC Method	>0.2	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	. 2	NEG 0.7	0.3	0.5
	Nitration	Abs/cm	*ASTM D7644		9.2	6.5	7.7
	Sulfation	Abs/.1mm	*ASTM D7024		21.1	19.0	20.9
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water			>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2	2	2
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		2	9	8
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m	100	66	68	56
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		1046	1045	974
	Calcium	ppm	ASTM D5185m		1169	1245	1122
	Phosphorus	ppm	ASTM D5185m		1064	1178	1064
	Zinc	ppm	ASTM D5185m		1325	1416	1237
	Sulfur	ppm	ASTM D5185m		3115	4520	2907
	Oxidation	Abs/.1mm	*ASTM D7414		16.8	14.5	15.3
	Base Number (BN)	mg KOH/g			8.5	10.4	11
	Visc @ 100°C	cSt	ASTM D445	14.4	13.1	12.8	12.7













Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** Test Package : FLEET

: WC0852329 : 06060027 : 10831409

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 12 Jan 2024 : 15 Jan 2024 Diagnosed

: Wes Davis Diagnostician

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)

SALEM NATIONALEASE CORPORATION

198 PARK PLAZA DRIVE WINSTON SALEM, NC

US 27105

Contact: Audrey Hopkins

Audrey.Hopkins@salemcorp.com T: (336)767-9642

F: x: