

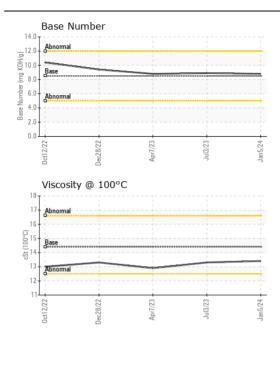
WEAR CONTAMINATION **FLUID CONDITION**

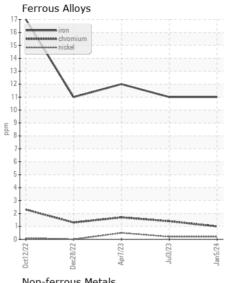
NORMAL NORMAL NORMAL

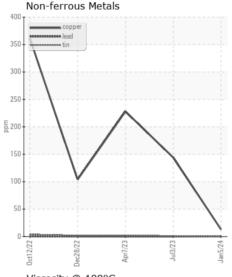
Machine Id 11869

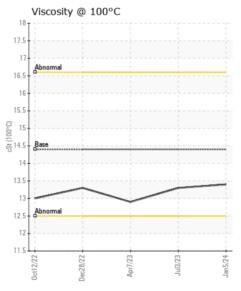
Component Diesel Fngine

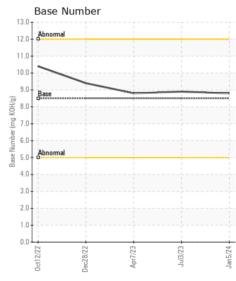
Diesel Engine Fluid DIESEL ENGINE OIL SAE 40 (QTS)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number	OOW	Client Info	LIIIIUADII	WC0883274	WC0796034	WC0796071
Resample at the next service interval to monitor. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.	Sample Date		Client Info		05 Jan 2024	03 Jul 2023	07 Apr 2023
	Machine Age	mls	Client Info		109167	74530	59712
	Oil Age	mls	Client Info		19000	15000	18000
	Filter Age	mls	Client Info		19000	15000	18000
	Oil Changed	11110	Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status		Oliciti illio		NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	11	11	12
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	1	1	2
	Nickel	ppm	ASTM D5185m	>4	<1	<1	<1
	Titanium	ppm	ASTM D5185m		0	<1	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>20	6	12	13
	Lead	ppm	ASTM D5185m	>40	<1	0	0
	Copper	ppm	ASTM D5185m	>330	13	144	228
	Tin	ppm	ASTM D5185m	>15	<1	1	2
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Ciliana		ACTM DC10C	05	-	4	
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.	Silicon	ppm	ASTM D5185m		5	4	4
	Potassium Fuel	ppm	ASTM D5185m		12	23	34
	Water		WC Method		<1.0	<1.0	<1.0 NEG
			WC Method	>0.2	NEG NEG	NEG NEG	NEG
	Glycol Soot %	%	*ASTM D7844	. 2	0.4	0.4	0.4
	Nitration	Abs/cm	*ASTM D7644	>20	7.8	7.2	6.8
	Sulfation	Abs/.1mm	*ASTM D7024		20.9	21.1	19.7
	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		*Visual	>0.2	NEG	NEG	NEG
			v loadi				
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>216	1	1	<1
The DNI was the indicates that the walls at itable all talling to was a line or in the	Boron	ppm	ASTM D5185m	250	13	4	2
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m	10	0	0	0
	Molybdenum	ppm	ASTM D5185m	100	62	62	58
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m	450	826	1011	859
	Calcium	ppm	ASTM D5185m		1219	1152	1069
	Phosphorus	ppm	ASTM D5185m	1150	991	1064	924
	Zinc	ppm	ASTM D5185m		1183	1357	1135
	Sulfur	ppm	ASTM D5185m		2732	3800	2724
	Oxidation	Abs/.1mm	*ASTM D7414		17.6	16.3	14.2
	Base Number (BN)				8.8	8.9	8.8
	Visc @ 100°C	cSt	ASTM D445	14.4	13.4	13.3	12.9













Certificate L2367

Laboratory Sample No. Lab Number

: WC0883274 : 06063401 : 10834783 **Unique Number** Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 17 Jan 2024 : 18 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)

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