

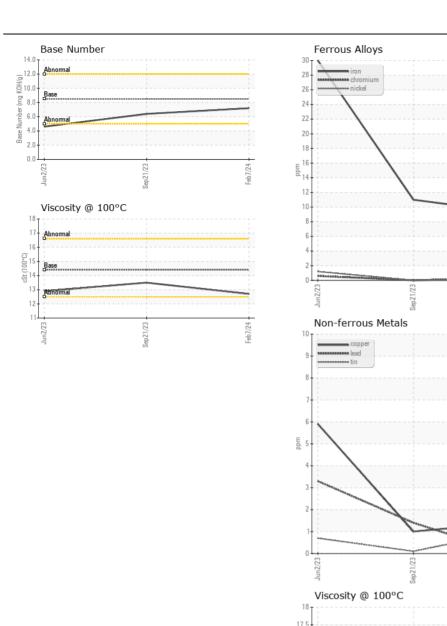
WEAR CONTAMINATION FLUID CONDITION

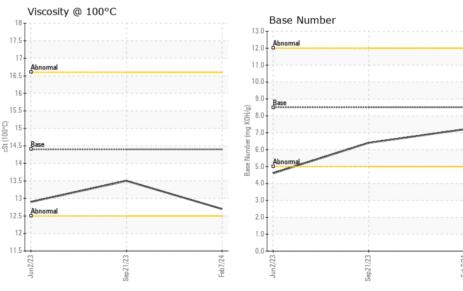
NORMAL NORMAL



Machine Id
G10
Component
Diesel Engine

Diesel Engine Pluid DIESEL ENGINE OIL SAE 15W4	0 (GAL)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
RECOMMENDATION	Sample Number	OOW	Client Info	LITTIU/ADIT	WC0874283		WC0758888
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.	Sample Date		Client Info		07 Feb 2024	21 Sep 2023	02 Jun 2023
	Machine Age	hrs	Client Info		9986	9440	526
	Oil Age	hrs	Client Info		546	663	526
	Filter Age	hrs	Client Info		546	0	526
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>120	9	11	30
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	<1	0	<1
	Nickel	ppm	ASTM D5185m	>5	0	0	1
	Titanium	ppm	ASTM D5185m	>2	<1	0	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>20	1	<1	3
	Lead	ppm	ASTM D5185m		0	1	3
	Copper	ppm	ASTM D5185m	>330	1	1	6
	Tin	ppm	ASTM D5185m	>15	1	<1	<1
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	3	6	6
	Potassium	ppm	ASTM D5185m	>20	0	3	4
There is no indication of any contamination in the oil.	Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>4	0.4	0.4	0.8
	Nitration	Abs/cm	*ASTM D7624	>20	8.3	9.0	9.7
	Sulfation	Abs/.1mm	*ASTM D7415	>30	18.8	20.7	25.5
	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	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>158	4	9	6
T. D	Boron	ppm	ASTM D5185m	250	10	10	6
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	60	68	33
	Manganese	ppm	ASTM D5185m		<1	0	<1
	Magnesium	ppm	ASTM D5185m	450	845	335	126
	Calcium	ppm	ASTM D5185m		1214	2073	2329
	Phosphorus	ppm	ASTM D5185m	1150	969	1068	971
	Zinc	ppm	ASTM D5185m		1191	1343	1179
	Sulfur	ppm	ASTM D5185m		2950	4439	3748
	Oxidation	Abs/.1mm	*ASTM D7414		13.8	15.4	16.3
	Base Number (BN)				7.2	6.4	4.6
	Visc @ 100°C	cSt	ASTM D445	14.4	12.7	13.5	12.9









Laboratory Sample No.

Lab Number : 06084248

: WC0874283 Unique Number : 10871693

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested**

Diagnosed Test Package : CONST (Additional Tests: TBN)

: 09 Feb 2024 : 09 Feb 2024 - Wes Davis

: 08 Feb 2024

Apple Valley Waste - EHT Location

6626 Delilah Road Egg Harbor Township, NJ US 08234

Contact: Service Manager

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:

F: