WEAR CONTAMINATION **FLUID CONDITION**

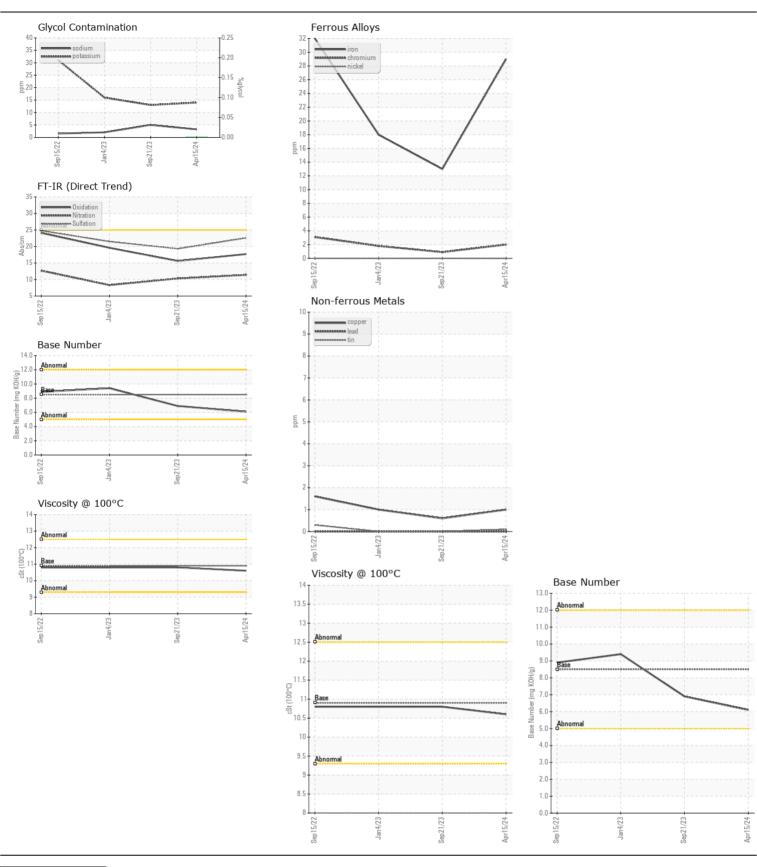
NORMAL NORMAL NORMAL

Machine Id

6212588

Component Diesel Engine

DIESEL ENGINE OIL SAE 10W30 (QTS)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		IL06150008	IL05958381	IL0573143
Resample at the next service interval to monitor.	Sample Date		Client Info		15 Apr 2024	21 Sep 2023	04 Jan 202
	Machine Age	mls	Client Info		0	0	0
	Oil Age	mls	Client Info		0	0	0
	Filter Age	mls	Client Info		0	0	0
	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	29	13	18
	Chromium	ppm	ASTM D5185m	>20	2	<1	2
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>4	0	0	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m		17	6	12
	Lead	ppm	ASTM D5185m		0	0	0
	Copper	ppm	ASTM D5185m		1	<1	1
	Tin	ppm	ASTM D5185m		<1	0	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	7	5	8
CONTRAININATION	Potassium	ppm	ASTM D5185m		14	13	16
There is no indication of any contamination in the oil.	Fuel	pp	WC Method		<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol	%	*ASTM D2982	7 0.2	0.0	NEG	NEG
	Soot %	%	*ASTM D7844	\3	0.9	0.5	0.5
	Nitration	Abs/cm	*ASTM D7624	>20	11.4	10.3	8.3
	Sulfation	Abs/.1mm	*ASTM D7415		22.6	19.3	21.5
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
			*Visual	NORML	NORML	NORML	NORM
	Appearance Odor	scalar scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water		*Visual	>0.2	NEG	NEG	NEG
	Linuisined Water	Scalai	v isuai	20.2			
FLUID CONDITION	Sodium	ppm	ASTM D5185m		3	5	2
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		26	27	35
oil. The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185m	10	0	0	1
	Molybdenum	ppm	ASTM D5185m	100	90	75	48
	Manganese	ppm	ASTM D5185m		<1	0	<1
	Magnesium	ppm	ASTM D5185m	450	35	84	477
	Calcium	ppm	ASTM D5185m		2293	2027	1662
	Phosphorus	ppm	ASTM D5185m	1150	1046	946	730
	Zinc	ppm	ASTM D5185m	1350	1203	1148	905
	Sulfur	ppm	ASTM D5185m	4250	4114	4153	2397
	Oxidation	Abs/.1mm	*ASTM D7414	>25	17.7	15.6	19.6
	Base Number (BN)	mg KOH/g	ASTM D2896	8.5	6.1	6.9	9.4
		cSt	ASTM D445		10.6	10.8	10.8







Laboratory

Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : IL06150008 **Lab Number** : 06150008

Unique Number : 10980086

Received **Tested** Diagnosed

: 16 Apr 2024 : 17 Apr 2024

: 18 Apr 2024 - Sean Felton

IDEALEASE-NORCROSS 4571 NORTH BUFORD HWY

NORCROSS, GA US 30071-2808

Contact: RICK MARKS

F: (770)300-0614

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.

Test Package: FLEET (Additional Tests: Glycol)

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: IDENORGA [WUSCAR] 06150008 (Generated: 04/18/2024 12:13:33) Rev: 1