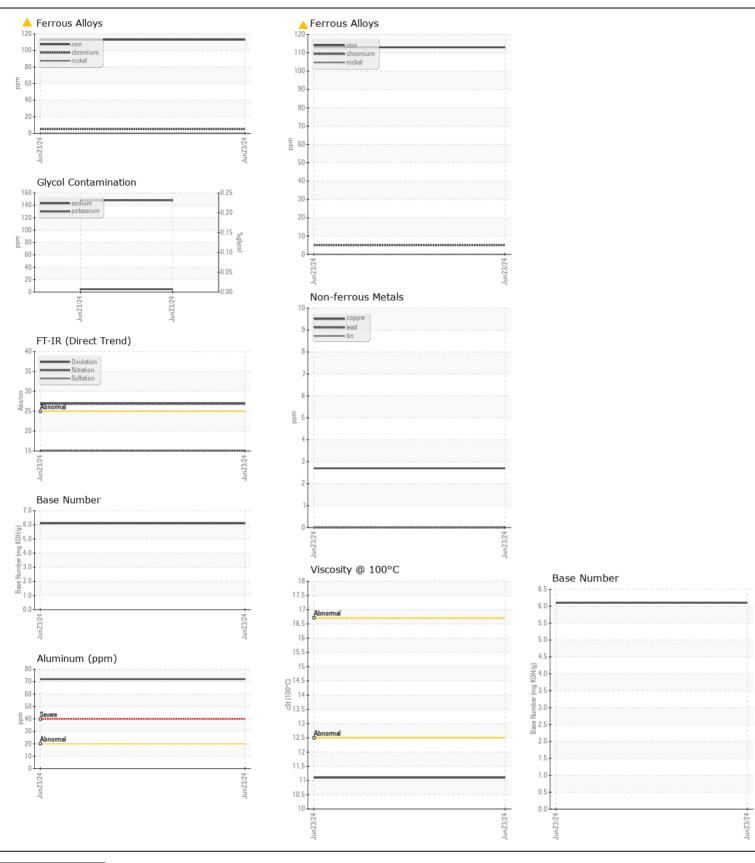
WEAR CONTAMINATION FLUID CONDITION

ABNORMAL NORMAL NORMAL

Machine Id

NOT GIVEN IL06217760

Component Diesel Engine							
[not provided} (GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		IL06217760		
No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Date		Client Info		23 Jun 2024		
	Machine Age	mls	Client Info		0		
	Oil Age	mls	Client Info		0		
	Filter Age	mls	Client Info		0		
	Oil Changed		Client Info		N/A		
	Filter Changed		Client Info		N/A		
	Sample Status				ABNORMAL		
WEAR	Iron	ppm	ASTM D5185m	>100	113		
	Chromium	ppm	ASTM D5185m	>20	5		
Cylinder, crank, or cam shaft wear is indicated. All other component wear rates are normal.	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m	>3	0		
	Aluminum	ppm	ASTM D5185m		72		
	Lead	ppm	ASTM D5185m		0		
	Copper	ppm	ASTM D5185m		3		
	Tin	ppm	ASTM D5185m		0		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
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. No other contaminants were detected in the oil.	Silicon	ppm	ASTM D5185m	>25	12		
	Potassium	ppm	ASTM D5185m	>20	148		
	Fuel	%	ASTM D3524	>5	<1.0		
	Water		WC Method	>0.2	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844	>3	1.4		
	Nitration	Abs/cm	*ASTM D7624	>20	15.1		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	26.7		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar		NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.2	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		5		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m		19		
	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		55		
	Manganese	ppm	ASTM D5185m		2		
	Magnesium	ppm	ASTM D5185m		477		
	Calcium	ppm	ASTM D5185m		1911		
	Phosphorus	ppm	ASTM D5185m		827		
	Zinc	ppm	ASTM D5185m		994		
	Sulfur	ppm	ASTM D5185m		2747		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	27.0		
	Base Number (BN)	mg KOH/g			6.1		
	Visc @ 100°C	cSt	ASTM D445		11.1		







Certificate L2367

Laboratory Sample No.

Lab Number : 06217760 Unique Number : 11090624

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : IL06217760

Tested Diagnosed

: 25 Jun 2024 - Don Baldridge Test Package: FLEET (Additional Tests: FuelDilution, PercentFuel)

Received

: 24 Jun 2024

: 25 Jun 2024

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)

IDEALEASE-NORCROSS

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