

Machine Id **4324158** Component **Diesel Engine** Fluid **{not provided} (--- QTS)**

R	EC	<u>OM</u>	MEN	IDAT	

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. We recommend an early resample to monitor this condition.

WEAR

Cylinder, crank, or cam shaft wear is indicated.

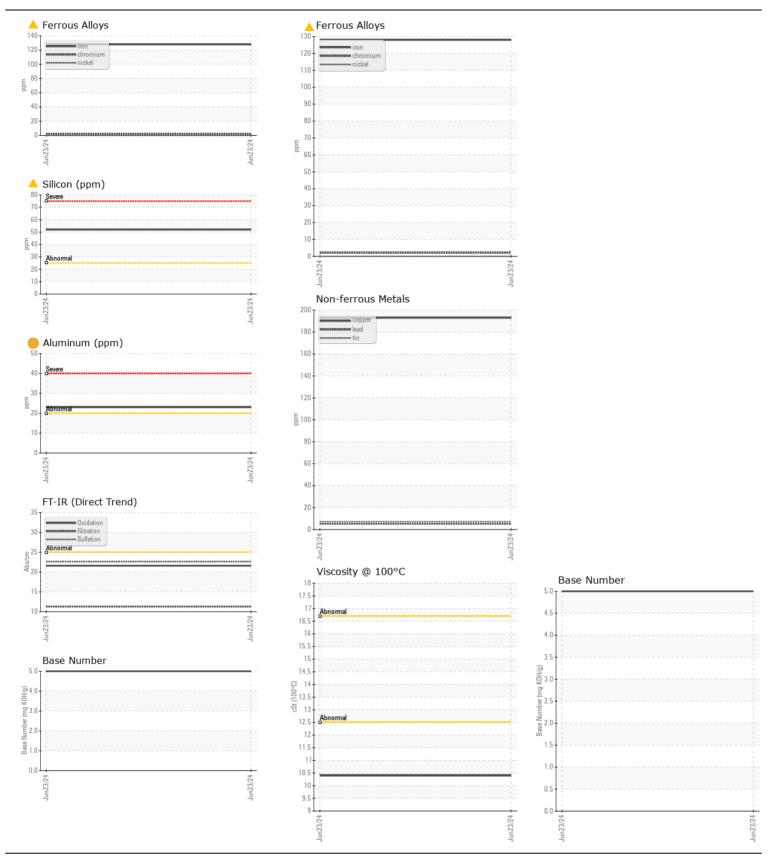
COr	ΝΙΑΙ	MINA	N

Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress.

FLUID CONDITION				
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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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		IL0621776	5	
Sample Date		Client Info		23 Jun 202	4	
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				ABNORMA	L	
Iron	ppm	ASTM D5185m	>100	🔺 128		
Chromium	ppm	ASTM D5185m	>20	2		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	e 23		
Lead	ppm	ASTM D5185m	>40	5		
Copper	ppm	ASTM D5185m	>330	193		
Tin	ppm	ASTM D5185m	>15	7		
Vanadium	ppm	ASTM D5185m		<1		
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	ppm	ASTM D5185m	>25	🔺 52		
Potassium	ppm	ASTM D5185m	>20	15		
Fuel	%	ASTM D3524	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
Soot %	%	*ASTM D7844	>3	0.8		
Nitration	Abs/cm	*ASTM D7624	>20	11.3		
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.6		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORM	L	
Odor	scalar	*Visual	NORML	NORM	L	
Emulsified Water	scalar	*Visual	>0.2	NEG		
Sodium	ppm	ASTM D5185m		4		
Boron	ppm	ASTM D5185m		70		
Barium	ppm	ASTM D5185m		6		
Molybdenum	ppm	ASTM D5185m		19		
Manganese	ppm	ASTM D5185m		4		
Magnesium	ppm	ASTM D5185m		64		
Calcium	ppm	ASTM D5185m		1378		
Phosphorus	ppm	ASTM D5185m		925		
Zinc	ppm	ASTM D5185m		1203		
Sulfur	ppm	ASTM D5185m		3109		
Oxidation	Abs/.1mm	*ASTM D7414	>25	21.6		
Base Number (BN)	mg KOH/g	ASTM D2896		5.0		
Visc @ 100°C	cSt	ASTM D445		10.4)	



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 **IDEALEASE-NORCROSS** Sample No. Received 4571 NORTH BUFORD HWY : IL06217765 : 24 Jun 2024 Lab Number : 06217765 Tested : 25 Jun 2024 NORCROSS, GA Unique Number : 11090629 Diagnosed : 25 Jun 2024 - Don Baldridge US 30071-2808 Test Package : FLEET (Additional Tests: FuelDilution, PercentFuel) Contact: RICK MARKS Certificate L2367 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. T: F: (770)300-0614 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: RICK MARKS - IDENORGA Page 2 of 2