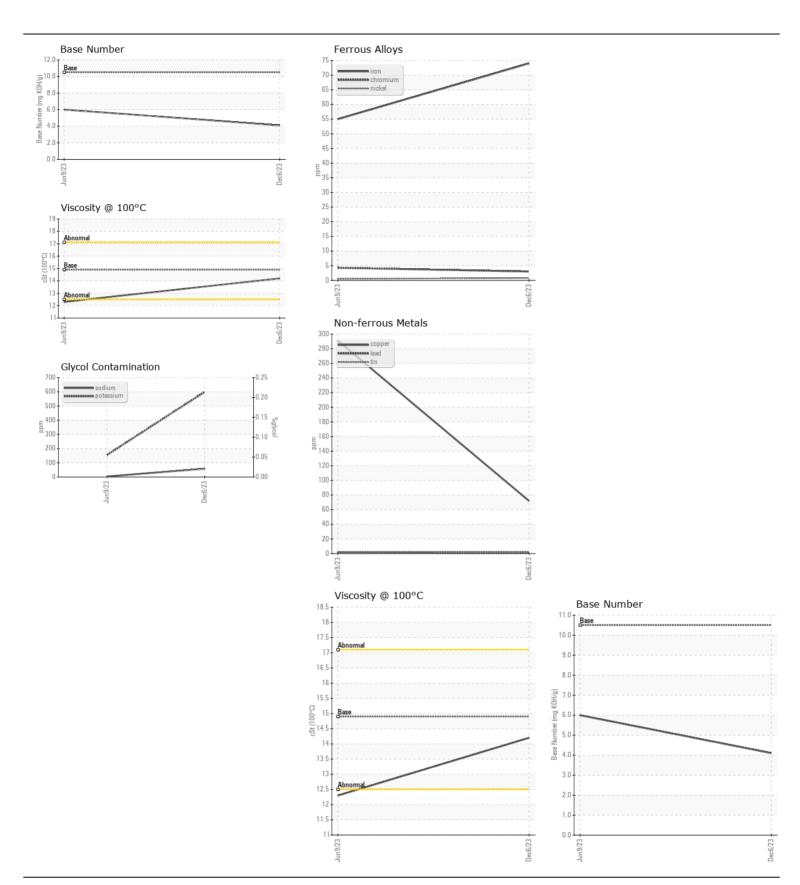
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL **ABNORMAL ABNORMAL**

Machine Id 2326

Component
Discal Fngine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you check for the source of the coolant leak. Check for low coolant level. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.	Sample Number		Client Info		WC0720061	WC0720106	
	Sample Date		Client Info		06 Dec 2023	09 Jun 2023	
	Machine Age	mls	Client Info		228564	76732	
	Oil Age	mls	Client Info		100000	50000	
	Filter Age	mls	Client Info		50000	50000	
	Oil Changed		Client Info		Changed	Not Changd	
	Filter Changed		Client Info		Changed	N/A	
	Sample Status				ABNORMAL	NORMAL	
WEAR	Iron	ppm	ASTM D5185m	>100	74	55	
	Chromium	ppm	ASTM D5185m		3	4	
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1	<1	
	Titanium	ppm	ASTM D5185m	77	<1	<1	
	Silver	ppm	ASTM D5185m	>3	<1	0	
	Aluminum	ppm	ASTM D5185m		19	60	
	Lead	ppm	ASTM D5185m		<1	2	
	Copper	ppm	ASTM D5185m		72	291	
	Tin	ppm	ASTM D5185m		2	2	
	Vanadium	ppm	ASTM D5185m	7.0	0	_ <1	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m		14	7	
Sodium and/or potassium levels are high.	Potassium	ppm	ASTM D5185m		<u> </u>	155	
	Fuel		WC Method		<1.0	0.3	
	Water		WC Method	>0.2	NEG	NEG	
	Glycol	%	*ASTM D2982		NEG	NEG	
	Soot %	%	*ASTM D7844		1.4	0.6	
	Nitration	Abs/cm	*ASTM D7624	>20	14.9	9.3	
	Sulfation	Abs/.1mm	*ASTM D7415		30.1	22.6	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML NEG	NORML	
	Emulsified Water	scalar	visuai	>0.2	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		△ 58	4	
	Boron	ppm	ASTM D5185m	0	0	<1	
The BN result indicates that there is suitable alkalinity remaining in the oil.	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m	100	2	7	
	Manganese	ppm	ASTM D5185m		1	2	
	Magnesium	ppm	ASTM D5185m	60	33	96	
	Calcium	ppm	ASTM D5185m		2712	2544	
	Phosphorus	ppm	ASTM D5185m	1050	1008	851	
	Zinc	ppm	ASTM D5185m		1272	1081	
	Sulfur	ppm	ASTM D5185m		3300	3146	
	Oxidation	Abs/.1mm	*ASTM D7414		26.7	16.9	
	Base Number (BN)	mg KOH/g	ASTM D2896	10.5	4.1	6.0	
	Visc @ 100°C	cSt	ASTM D445		14.2	12.3	







Laboratory Sample No. Lab Number **Unique Number**

: 06054697 : 10820646

: WC0720061

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

: 08 Jan 2024 : 10 Jan 2024 Diagnostician

: Jonathan Hester

Test Package : FLEET (Additional Tests: Glycol)

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. **DILLON TRANSPORTATION**

974 TN WALTZ PARKWAY ASHLAND CITY, TN US 37015

Contact: MASON NICHOLSON M.NICHOLSON@DILLONTRANSPORTATION.COM

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