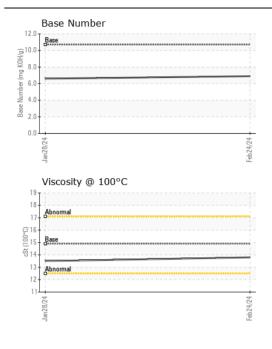
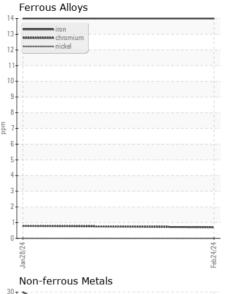
WEAR CONTAMINATION **FLUID CONDITION** **NORMAL NORMAL NORMAL**

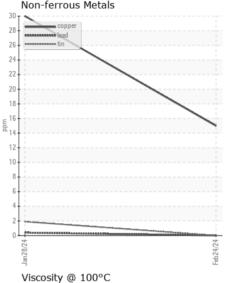
Machine Id **72233**

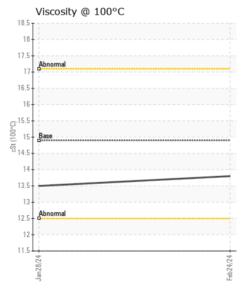
Component Diesel Engine

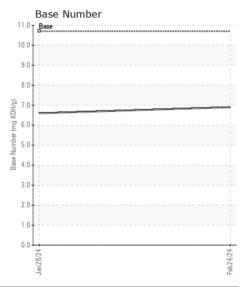
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		WC0681105	WC0680987	
	Sample Date		Client Info		24 Feb 2024	28 Jan 2024	
	Machine Age	hrs	Client Info		2682	2071	
	Oil Age	hrs	Client Info		611	822	
	Filter Age	hrs	Client Info		611	822	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				NORMAL	NORMAL	
VEAR	Iron	ppm	ASTM D5185m	>100	14	14	
	Chromium	ppm	ASTM D5185m		<1	<1	
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	0	
	Titanium	ppm	ASTM D5185m	7 7	17	17	
	Silver	ppm	ASTM D5185m	~3	0	<1	
	Aluminum	ppm	ASTM D5185m		6	5	
	Lead	ppm	ASTM D5185m		0	<1	
	Copper	ppm	ASTM D5185m		15	30	
	Tin	ppm	ASTM D5185m		0	2	
	Vanadium	ppm	ASTM D5185m	710	<1	<1	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m		5	5	
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		7	5	
	Fuel		WC Method		<1.0	<1.0	
	Water		WC Method	>0.2	NEG	NEG	
	Glycol		WC Method		NEG	NEG	
	Soot %	%	*ASTM D7844		0.3	0.3	
	Nitration	Abs/cm	*ASTM D7624	>20	9.7	10.1	
	Sulfation	Abs/.1mm	*ASTM D7415		21.0	21.2	
	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	NORML	
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
FLUID CONDITION 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.	Sodium	ppm	ASTM D5185m		3	2	
	Boron	ppm	ASTM D5185m		36	34	
	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m		31	31	
	Manganese	ppm	ASTM D5185m		<1	<1	
	Magnesium	ppm	ASTM D5185m		776	807	
	Calcium	ppm	ASTM D5185m		1647	1606	
	Phosphorus	ppm	ASTM D5185m	760	710	744	
	Zinc	ppm		830	829	872	
	Sulfur	ppm	ASTM D5185m		3471	2753	
	Oxidation	Abs/.1mm	*ASTM D7414		17.6	19.5	
	Base Number (BN)		ASTM D2896		6.9	6.6	
	Table Hamber (DN)	9 1.01119	ASTM D445		13.8	13.5	













Certificate L2367

Laboratory Sample No. Lab Number : 06123002 Unique Number: 10937153

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0681105

Received **Tested**

: 19 Mar 2024 : 20 Mar 2024

: 21 Mar 2024 - Don Baldridge Diagnosed

NANA LYNDEN LOGISTICS P.O. BOX 570 KOTZEBUE, AK US 99752 Contact: Mark Tatlow

nanalynden@lynden.com T: (907)754-5551 F: (800)418-0974

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)