MOB I

WEAR CHECK

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
NORDBERG 5022 CIRCULATING
Component
Gearbox
Fluid
SHELL OMALA 150 (110 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

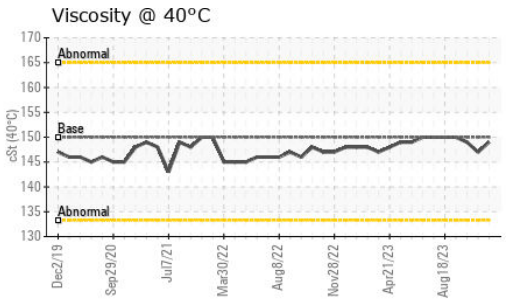
CONTAMINATION

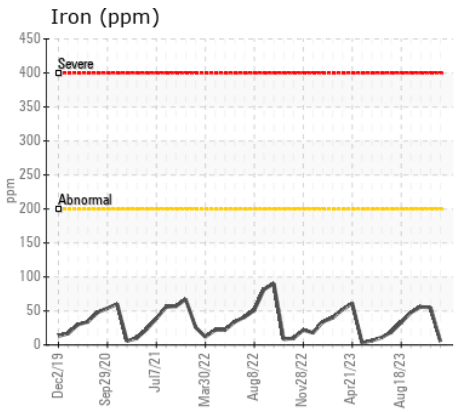
There is no indication of any contamination in the oil.

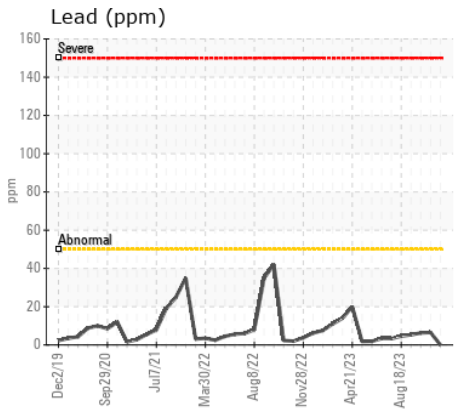
FLUID CONDITION

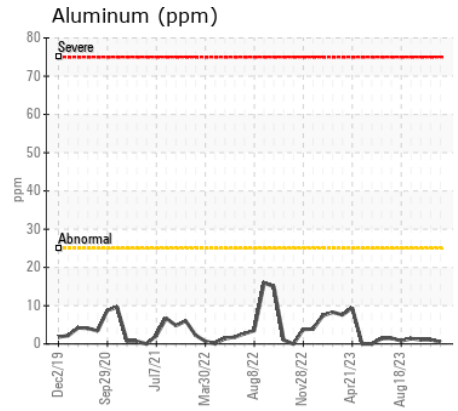
The condition of the oil is acceptable for the time in service.

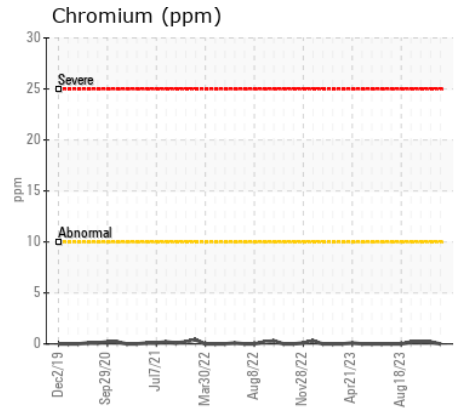
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**WC0840648**	WC0840634	WC0840625
Sample Date		Client Info		**18 Dec 2023**	06 Nov 2023	16 Oct 2023
Machine Age	hrs	Client Info		**41622**	41268	41065
Oil Age	hrs	Client Info		**236**	1391	1189
Filter Age	hrs	Client Info		**236**	1391	1189
Oil Changed		Client Info		**Not Changd**	Not Changd	N/A
Filter Changed		Client Info		**Not Changd**	Not Changd	N/A
Sample Status				**NORMAL**	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>200	**5**	55	56
Chromium	ppm	ASTM D5185m	>10	**0**	<1	<1
Nickel	ppm	ASTM D5185m	>10	**0**	0	0
Titanium	ppm	ASTM D5185m		**0**	<1	<1
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>25	**<1**	1	1
Lead	ppm	ASTM D5185m	>50	**0**	6	6
Copper	ppm	ASTM D5185m	>200	**1**	4	4
Tin	ppm	ASTM D5185m	>10	**0**	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
Silicon	ppm	ASTM D5185m	>50	**<1**	4	3
Potassium	ppm	ASTM D5185m	>20	**0**	2	2
Water		WC Method	>0.2	**NEG**	NEG	NEG
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	**NORML**	NORML	NORML
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	**NEG**	NEG	NEG
Sodium	ppm	ASTM D5185m		**0**	0	0
Boron	ppm	ASTM D5185m	6.2	**0**	0	0
Barium	ppm	ASTM D5185m	0.0	**0**	<1	<1
Molybdenum	ppm	ASTM D5185m	0	**0**	0	0
Manganese	ppm	ASTM D5185m		**<1**	<1	<1
Magnesium	ppm	ASTM D5185m	0	**1**	2	2
Calcium	ppm	ASTM D5185m	0.0	**13**	7	6
Phosphorus	ppm	ASTM D5185m	512	**288**	267	271
Zinc	ppm	ASTM D5185m	3.8	**12**	0	0
Sulfur	ppm	ASTM D5185m	8167	**9327**	10020	9869
Visc @ 40°C	cSt	ASTM D445	150	**149**	147	149

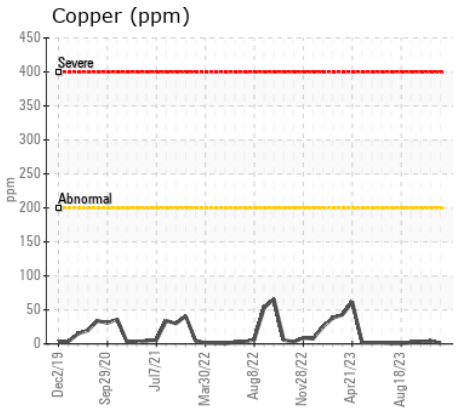


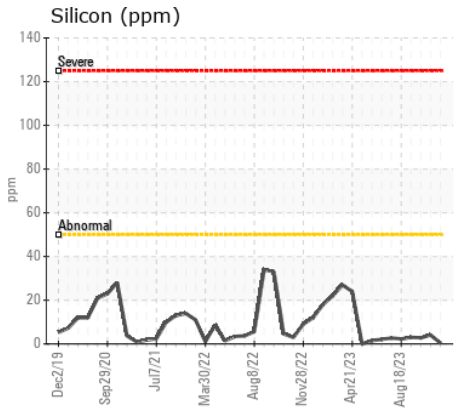


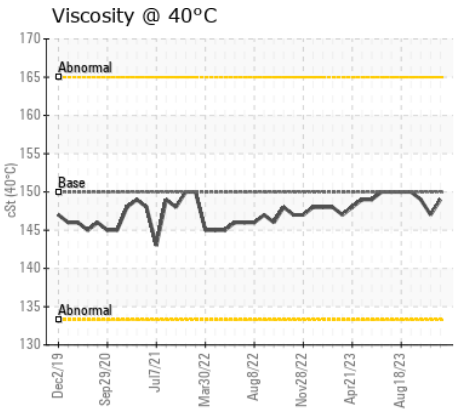


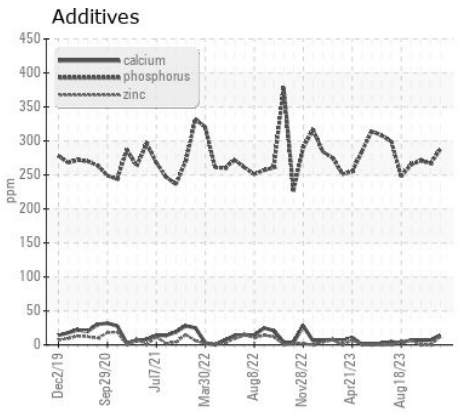












ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
Certificate L2367

Laboratory	: WearCheck USA - 501 Madison Ave., Cary, NC 27513		
Sample No.	: WC0840648	**Recieved**	: 16 Jan 2024
Lab Number	: 06062278	**Diagnosed**	: 18 Jan 2024
Unique Number	: 10833660	**Diagnostician**	: Wes Davis
Test Package	: MOB 1		

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)

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