IND II WEAR CHECK

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
BRUCE B/5/33120
Machine Id
5-33120-P2-PM Lower Brg
Component
Lower Bearing
Fluid
MOBIL DTE 732 (30 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

The Direct-Reading Ferrographic data (DL, DS, %large) is normal. All component wear rates are normal.

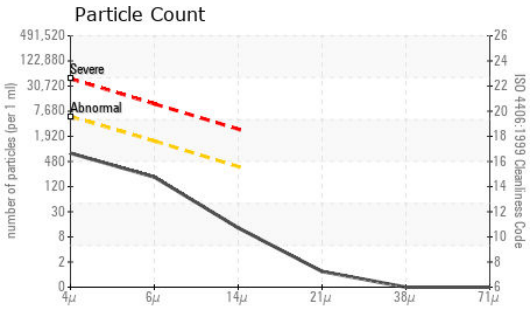
CONTAMINATION

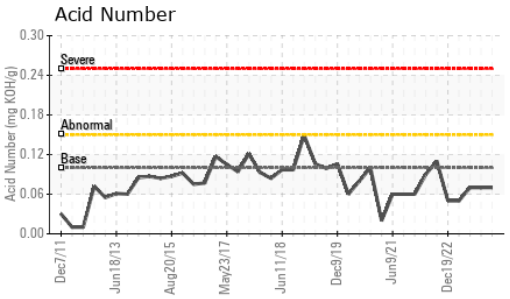
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable.

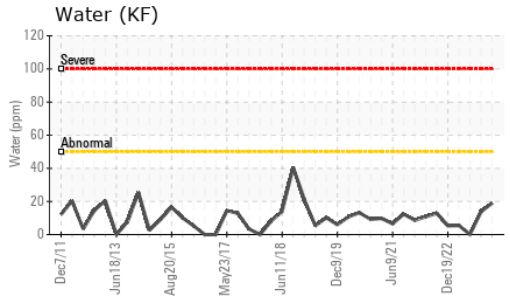
FLUID CONDITION

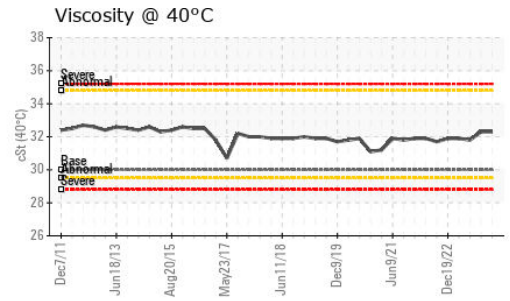
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

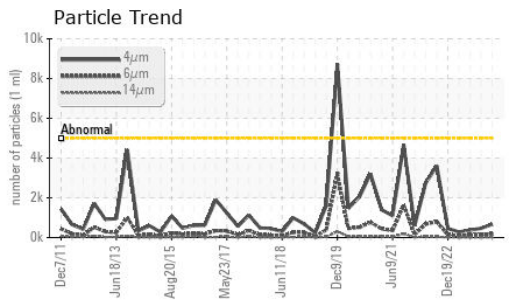
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**WC**	WC0791619	WC0791664
Sample Date		Client Info		**18 Dec 2023**	06 Sep 2023	14 Jun 2023
Machine Age	hrs	Client Info		**0**	0	0
Oil Age	hrs	Client Info		**0**	0	0
Filter Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**N/A**	N/A	N/A
Filter Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**NORMAL**	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>1	**0**	0	0
Chromium	ppm	ASTM D5185(m)	>1	**0**	0	0
Nickel	ppm	ASTM D5185(m)	>1	**<1**	<1	0
Titanium	ppm	ASTM D5185(m)	>5	**0**	0	0
Silver	ppm	ASTM D5185(m)		**0**	0	0
Aluminum	ppm	ASTM D5185(m)	>1	**<1**	<1	<1
Lead	ppm	ASTM D5185(m)	>3	**0**	0	0
Copper	ppm	ASTM D5185(m)	>1	**0**	0	0
Tin	ppm	ASTM D5185(m)	>1	**0**	0	0
Vanadium	ppm	ASTM D5185(m)		**0**	0	0
White Metal	scalar	Visual*	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	**NONE**	NONE	NONE
Large Particles		DR-Ferr*		**2.0**	0.5	1.6
Small Particles		DR-Ferr*		**3.2**	0.3	1.6
Total Particles		DR-Ferr*	>---	**5.2**	0.8	3.2
Large Particles Percentage	%	DR-Ferr*		**0**	25	0
Severity Index		DR-Ferr*		**2**	0	0
Silicon	ppm	ASTM D5185(m)	>5	**0**	0	0
Potassium	ppm	ASTM D5185(m)	>20	**0**	<1	<1
Water	%	ASTM D6304*	>0.005	**0.002**	0.001	0.00
ppm Water	ppm	ASTM D6304*	>50	**19**	13.8	0.00
Particles >4µm		ASTM D7647	>5000	**666**	467	376
Particles >6µm		ASTM D7647	>1300	**179**	169	126
Particles >14µm		ASTM D7647	>320	**11**	16	10
Particles >21µm		ASTM D7647	>80	**1**	4	2
Particles >38µm		ASTM D7647	>20	**0**	0	1
Particles >71µm		ASTM D7647	>4	**0**	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/15	**17/15/11**	16/15/11	16/14/10
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*	>0.005	**NEG**	NEG	NEG
Sodium	ppm	ASTM D5185(m)	>5	**0**	0	0
Boron	ppm	ASTM D5185(m)		**0**	<1	0
Barium	ppm	ASTM D5185(m)		**0**	0	0
Molybdenum	ppm	ASTM D5185(m)		**0**	0	0
Manganese	ppm	ASTM D5185(m)		**0**	0	0
Magnesium	ppm	ASTM D5185(m)		**0**	<1	0
Calcium	ppm	ASTM D5185(m)		**0**	<1	<1
Phosphorus	ppm	ASTM D5185(m)		**0**	<1	<1
Zinc	ppm	ASTM D5185(m)		**<1**	1	1
Sulfur	ppm	ASTM D5185(m)		**49**	63	60
Acid Number (AN)	mg KOH/g	ASTM D974*	0.10	**0.07**	0.07	0.07
Visc @ 40°C	cSt	ASTM D7279(m)	30.0	**32.3**	32.3	31.8

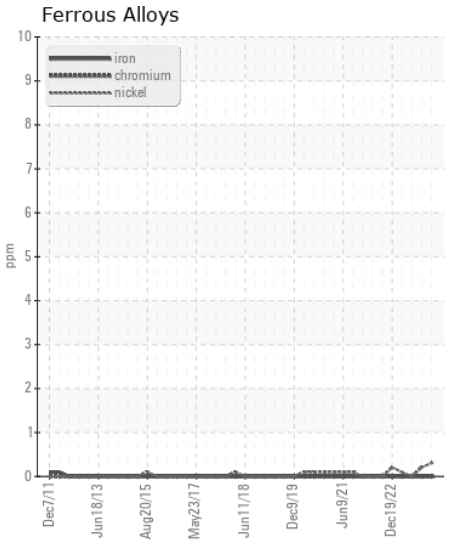


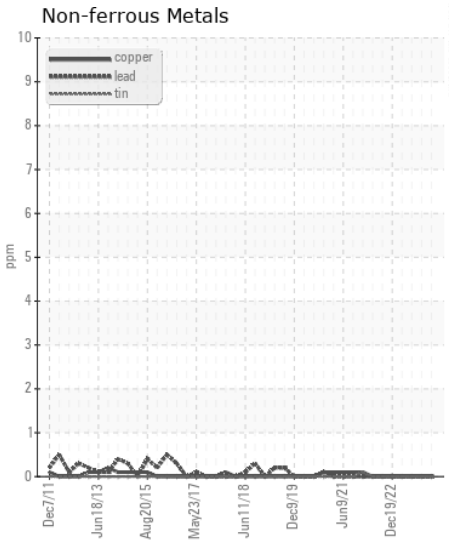


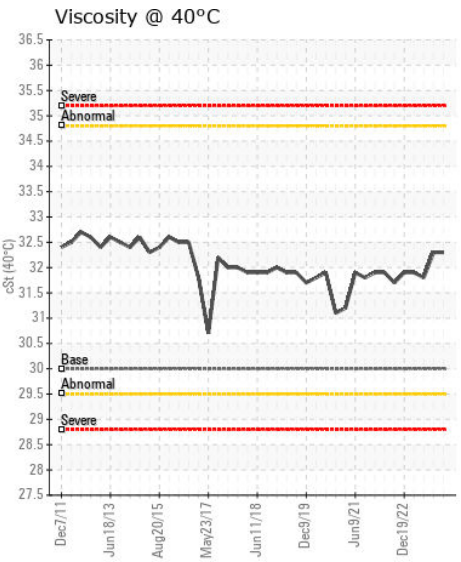


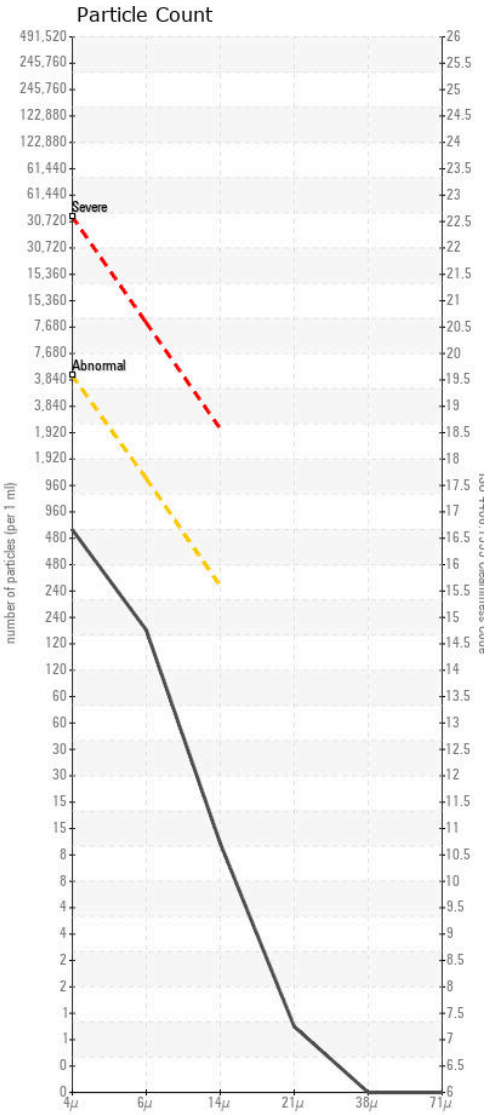


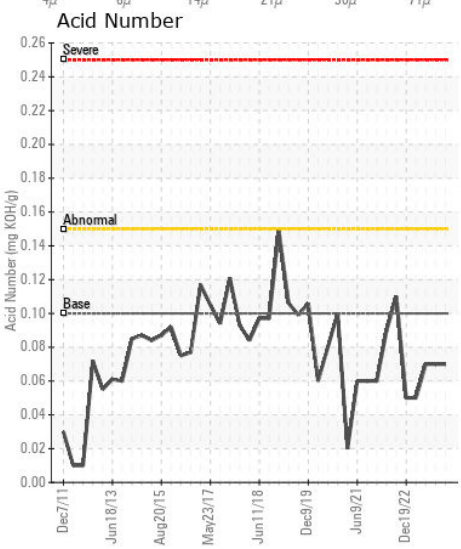












ISO 17025:2017 Accredited Laboratory

Laboratory	: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9		
Sample No.	: WC	**Recieved**	: 03 Jan 2024
Lab Number	: 02606241	**Diagnosed**	: 04 Jan 2024
Unique Number	: 5707327	**Diagnostician**	: Kevin Marson
Test Package	: IND 2 (Additional Tests: Bottom, DR-Ferr, TAN Man)		

To discuss this sample report, contact Customer Service at 1-800-268-2131.
Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
Validity of results and interpretation are based on the sample and information as supplied.

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