

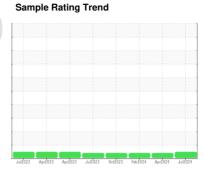
OIL ANALYSIS REPORT

Preparation-Prep CBL MILL

[Preparation-Prep CBL MILL] 360006002 - CBL MILL MAIN GEARBOX

Main Gearbox

SHELL OMALA S2 GX 68 (34 Kg)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

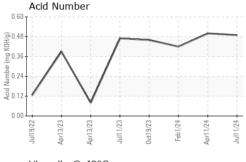
Fluid Condition

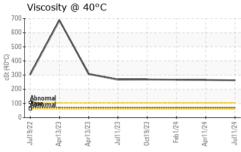
Confirm oil type. The AN level is acceptable for this fluid. The condition of the oil is suitable for further

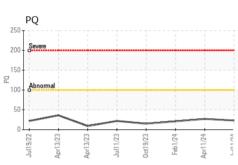
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TLC0001974	TLC0001760	TLC0001384
Sample Date		Client Info		11 Jul 2024	11 Apr 2024	01 Feb 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ATTENTION	ATTENTION
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		23	27	21
Iron	ppm	ASTM D5185m	>200	26	23	17
Chromium	ppm	ASTM D5185m	>15	0	0	0
Nickel	ppm	ASTM D5185m	>15	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	0
Lead	ppm	ASTM D5185m	>100	0	0	1
Copper	ppm	ASTM D5185m	>200	<1	<1	0
Tin	ppm	ASTM D5185m	>25	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1	0	<1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	1	1
Magnesium	ppm	ASTM D5185m		0	<1	0
Calcium	ppm	ASTM D5185m		0	5	0
Phosphorus	ppm	ASTM D5185m		311	297	231
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		15036	14828	11824
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	20	18	14
Sodium	ppm	ASTM D5185m		2	2	<1
Potassium	ppm	ASTM D5185m	>20	0	2	0
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.49	0.50	0.42



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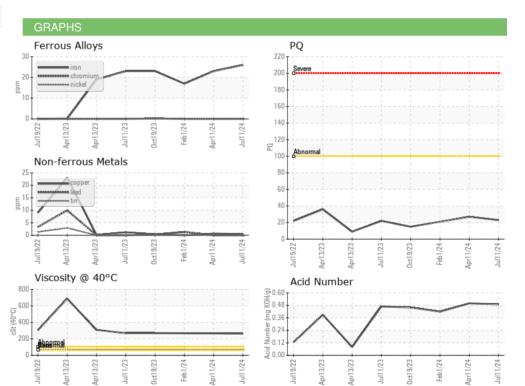
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	68	263	266	267

SAMPLE IMAGES	method	limit/base	current	history1	history2

Color











Laboratory Sample No.

Lab Number : 06240978

: TLC0001974 Unique Number : 11129812

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 18 Jul 2024 **Tested** : 20 Jul 2024

Test Package : PLANT

Diagnosed : 22 Jul 2024 - Sean Felton

Certificate 12367 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) **MICHELIN US 10** 16 BIBB WAY

ANDERSON, SC US 29626

Contact: TERRICK PRESLEY terrick.presley@michelin.com T: (803)761-8053

Report Id: MICAND [WUSCAR] 06240978 (Generated: 07/22/2024 11:37:35) Rev: 1

Submitted By: DUSTY LOLLIS

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