

PROBLEM SUMMARY

Area [603963800 SR] Machine Id CONCHE 3 MD (S/N 20060479) Component

Gearbox Fluid GEAR OIL ISO 460 (--- GAL)

COMPONENT CONDITION SUMMARY







RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS											
Sample Status				ATTENTION	ATTENTION	ATTENTION					
Calcium	ppm	ASTM D5185m	50	<u> </u>	<u> </u>	1 384					
Zinc	ppm	ASTM D5185m	100	<u> </u>	A 283	A 320					
Sulfur	ppm	ASTM D5185m	12500	<u> </u>	<u> </u>	<u> </u>					
Visc @ 40°C	cSt	ASTM D445	460	6 521	4 99	5 04					

Customer Id: MARSCHI Sample No.: WC0562258 Lab Number: 05924955 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

27 Apr 2023 Diag: Don Baldridge



Resample at the next service interval to monitor.All component wear rates are normal. Appearance is hazy. There is no indication of any contamination in the oil. The oil viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.



09 Feb 2023 Diag: Don Baldridge

11 Nov 2022 Diag: Don Baldridge



Resample at the next service interval to monitor.All component wear rates are normal. Appearance is hazy. There is no indication of any contamination in the oil. The oil viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.



VISCOSITY



Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.





OIL ANALYSIS REPORT

Area [603963800 SR] Machine Id CONCHE 3 MD (S/N 20060479) Component

Gearbox

Fluid GEAR OIL ISO 460 (--- GAL)

DIAGNOSIS

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 oil viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.



SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		WC0562258	WC0605507	WC0562080
Sample Date		Client Info		28 Jul 2023	27 Apr 2023	09 Feb 2023
Machine Age	mls	Client Info		0	0	0
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ATTENTION	ATTENTION	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	17	19	20
Chromium	ppm	ASTM D5185m	>15	0	<1	<1
Nickel	ppm	ASTM D5185m	>15	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	<1	2
Lead	ppm	ASTM D5185m	>100	0	0	<1
Copper	ppm	ASTM D5185m	>200	<1	<1	<1
Tin	ppm	ASTM D5185m	>25	0	0	<1
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	50	0	0	0
Barium	ppm	ASTM D5185m	15	0	0	0
Molybdenum	ppm	ASTM D5185m	15	0	0	<1
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	50	5	6	8
Calcium	ppm	ASTM D5185m	50	<u> </u>	1254	1 384
Phosphorus	ppm	ASTM D5185m	350	190	197	196
Zinc	ppm	ASTM D5185m	100	<u> </u>	<u> </u>	<mark>▲</mark> 320
Sulfur	ppm	ASTM D5185m	12500	A 2136	2299	4 2416
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	6	8	8
Sodium	ppm	ASTM D5185m		5	6	8
Potassium	ppm	ASTM D5185m	>20	<1	2	<1
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	0.67	0.69	0.64
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

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Contact/Location: TONY FIORE - MARSCHI



OIL ANALYSIS REPORT



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