

PROBLEM SUMMARY

Sample Rating Trend

ADDITIVES

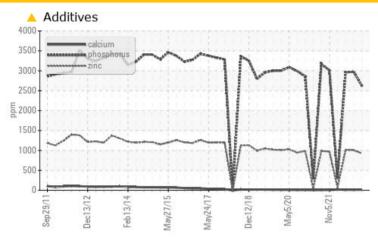


TC02 Machine Id TC02 Top 6 Inch Component

Gearbox

SHELL OMALA S2 GX 220 (17 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. The fluid was specified as SHELL OMALA S2 GX 220, however, a fluid match indicates that this fluid is ISO 220 Gear Oil (Hi Molybdenum). Please confirm the oil type and grade on your next sample.

PROBLEMATIC TEST RESULTS									
Sample Status				ATTENTION	ATTENTION	NORMAL			
Molybdenum	ppm	ASTM D5185(m)	0	<u> </u>	<u>▲</u> 1834	1949			
Phosphorus	ppm	ASTM D5185(m)	290	2629	2974	2963			
Zinc	ppm	ASTM D5185(m)	3.8	925	<u> </u>	1010			

92011 Dec2012 Feb7014 Max2015 Max2017 Occasions to december 1

Customer Id: GOONAP Sample No.: WC0873620 Lab Number: 02602412 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Kevin Marson +1 (289)291-4644 x4644 Kevin.Marson@wearcheck.com

To change component or sample information: Gloria Gonzalez +1 (289)291-4643 x4643 gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Alert			?	The fluid was specified as SHELL OMALA S2 GX 220, however, a fluid match indicates that this fluid is ISO 220 Gear Oil (Hi Molybdenum). Please confirm the oil type and grade on your next sample.
Check Fluid Source			?	Confirm the source of the lubricant being utilized for top-up/fill.

HISTORICAL DIAGNOSIS

25 Aug 2023 Diag: Kevin Marson

ADDITIVES



Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. The fluid was specified as SHELL OMALA S2 GX 220, however, a fluid match indicates that this fluid is ISO 220 Gear Oil (Hi Molybdenum). Please confirm the oil type and grade on your next sample. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



05 Feb 2023 Diag: Kevin Marson

NORMAL



Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

27 Oct 2022 Diag: Kevin Marson

VISCOSITY



Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. All component wear rates are normal. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within ISO 320 range, advise investigate. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

TC02 TC02 Top 6 Inch

Gearbox

SHELL OMALA S2 GX 220 (17 GAL)

Sample Rating Trend



DIAGNOSIS

Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. The fluid was specified as SHELL OMALA S2 GX 220, however, a fluid match indicates that this fluid is ISO 220 Gear Oil (Hi Molybdenum). Please confirm the oil type and grade on your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

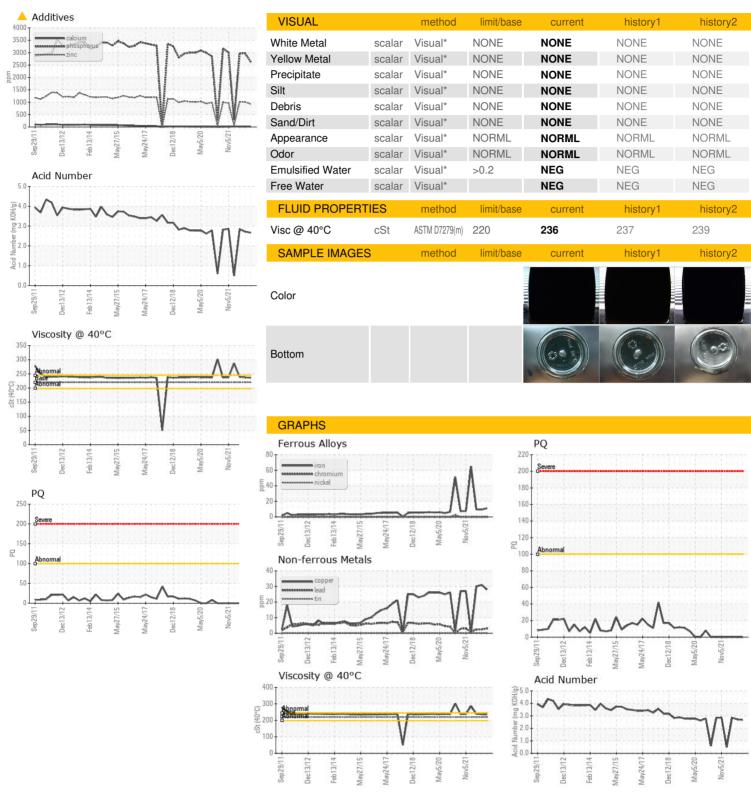
▲ Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

		p2011 Dec20		May2017 Dec2018 May2020	Nov2021	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0873620	WC0841286	WC0754411
Sample Date		Client Info		05 Nov 2023	25 Aug 2023	05 Feb 2023
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				ATTENTION	ATTENTION	NORMAL
CONTAMINATIO	V	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*		0	0	0
Iron	ppm	ASTM D5185(m)	>200	11	10	10
Chromium	ppm	ASTM D5185(m)	>15	0	0	0
Nickel	ppm	. ,	>15	0	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>25	7	4	18
Lead	ppm	ASTM D5185(m)	>100	3	2	2
Copper	ppm	ASTM D5185(m)	>200	28	31	30
Tin	ppm	ASTM D5185(m)	>25	0	0	0
Antimony	ppm	ASTM D5185(m)	>5	<1	0	0
Vanadium	ppm	ASTM D5185(m)		0	<1	<1
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	6.2	1	<1	<1
Barium	ppm	ASTM D5185(m)	0.0	<1	0	0
Molybdenum	ppm	ASTM D5185(m)	0	<u> </u>	<u> </u>	1949
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)	0	<1	<1	<1
Calcium	ppm	ASTM D5185(m)	0.0	15	13	13
Phosphorus	ppm	ASTM D5185(m)	290	2629	2974	2963
Zinc	ppm	ASTM D5185(m)	3.8	925	▲ 1007	1010
Sulfur	ppm	ASTM D5185(m)	8167	8347	8305	8581
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS)	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	32	30	30
Sodium	ppm	ASTM D5185(m)		<1	0	<1
Potassium	ppm	ASTM D5185(m)	>20	0	0	0
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		2.67	2.72	2.85



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number **Unique Number**

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : WC0873620

02602412 : 5695497

Received : 11 Dec 2023 Diagnosed

: 12 Dec 2023 Diagnostician : Kevin Marson

Test Package : IND 2 (Additional Tests: 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.

Goodyear Napanee

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