

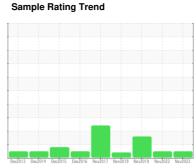
# **OIL ANALYSIS REPORT**

# Area [603715580 SDR] SCALPER SECONDARY (S/N 20045491)

Component

Gearbox

GEAR OIL ISO 220 (--- GAL)





### 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

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

SAMPLE INFORM	MATION	method	limit/base	Nov2017 Nov2018 Nov2019 Nov20	history1	history2
	IATION		IIIIIVbase		•	
Sample Number		Client Info		WC0562374	WC0562032	WC0321945
Sample Date		Client Info		11 Nov 2023	18 Nov 2022	29 Nov 2019
Machine Age	mls	Client Info		0	0	0
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	0	4	29
Chromium	ppm	ASTM D5185m	>15	0	<1	<1
Nickel	ppm	ASTM D5185m	>15	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	2	0
Lead	ppm	ASTM D5185m	>100	0	0	<1
Copper	ppm	ASTM D5185m	>200	0	<1	<1
Tin	ppm	ASTM D5185m	>25	<1	0	0
Antimony	ppm	ASTM D5185m	>5			0
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	0	<1	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	<1	0	<1
Calcium	ppm	ASTM D5185m	50	0	7	2
Phosphorus	ppm	ASTM D5185m	350	130	170	415
Zinc	ppm	ASTM D5185m	100	0	1	2
Sulfur	ppm	ASTM D5185m	12500	1822	2467	425
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	2	9	<u>^</u> 52
Sodium	ppm	ASTM D5185m		0	<1	2
Potassium	ppm	ASTM D5185m	>20	0	0	0
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	0.75	0.66	0.560
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

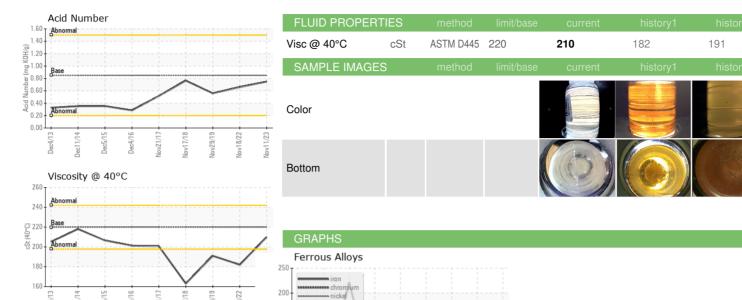
ItionNEONY FIORE NEARSCHI

NEG

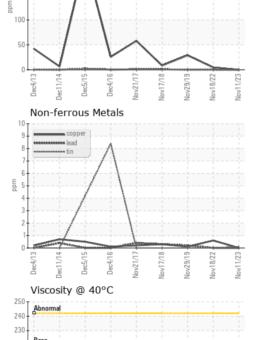
scalar \*Visual

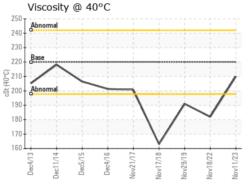


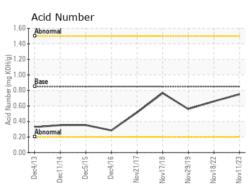
## **OIL ANALYSIS REPORT**



150









Certificate L2367

Laboratory Sample No.

Lab Number Unique Number : 10742261 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0562374 : 06008499

Received Diagnosed

: 15 Nov 2023 : 17 Nov 2023 Diagnostician : Don Baldridge

MARS CHOCOLATE 2019 NORTH OAK PARK

US 60707 Contact: TONY FIORE tony.fiore@effem.com T: (773)745-2279

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)

CHICAGO, IL