

OIL ANALYSIS REPORT

^{Area} [603921115 SR] **PETZ 5 MD (S/N 20061649)**

Component **Gearbox**

GEAR OIL ISO 220 (--- GAL)

3014 M-2015 0-2015 0-2017 E-2019 A-2020 M-2021 L-2022

Sample Rating Trend



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

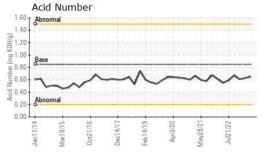
Fluid Condition

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

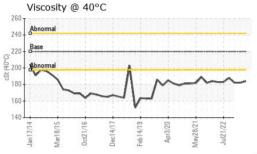
MATION	method	limit/base	current	history1	history2
	Client Info		WC0605549	WC0605749	WC0605193
	Client Info		23 Jun 2023	30 Mar 2023	13 Jan 2023
mls	Client Info		0	0	0
mls	Client Info		0	0	0
	Client Info		Not Changd	Not Changd	Not Changd
			NORMAL	NORMAL	NORMAL
	method	limit/base	current	history1	history2
ppm	ASTM D5185m	>200	4	4	5
ppm	ASTM D5185m	>15	<1	<1	<1
ppm	ASTM D5185m	>15	0	0	0
ppm	ASTM D5185m		0	0	0
ppm	ASTM D5185m		0	0	0
ppm	ASTM D5185m	>25	3	1	<1
ppm	ASTM D5185m	>100	0	0	0
ppm	ASTM D5185m	>200	<1	<1	<1
ppm	ASTM D5185m	>25	0	0	0
ppm	ASTM D5185m		0	0	0
ppm	ASTM D5185m		0	0	0
	method	limit/base	current	history1	history2
ppm	ASTM D5185m	50	0	0	0
ppm	ASTM D5185m	15	0	0	0
ppm	ASTM D5185m	15	0	0	0
ppm	ASTM D5185m		0	<1	0
ppm	ASTM D5185m	50	1	1	<1
ppm ppm	ASTM D5185m ASTM D5185m	50 50	1 10	1 11	<1 9
ppm	ASTM D5185m	50	10	11	9
ppm ppm	ASTM D5185m ASTM D5185m	50 350	10 164	11 178	9 171
ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	50 350 100	10 164 12	11 178 13	9 171 14
ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	50 350 100 12500	10 164 12 2805	11 178 13 3142	9 171 14 2674 history2
ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method	50 350 100 12500 limit/base	10 164 12 2805 current	11 178 13 3142 history1	9 171 14 2674 history2
ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m	50 350 100 12500 limit/base	10 164 12 2805 current	11 178 13 3142 history1	9 171 14 2674 history2
ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	50 350 100 12500 limit/base >50	10 164 12 2805 current 10	11 178 13 3142 history1 9 <1	9 171 14 2674 history2 12
ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m	50 350 100 12500 limit/base >50 >20	10 164 12 2805 current 10 0	11 178 13 3142 history1 9 <1	9 171 14 2674 history2 12 0 <1
ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	50 350 100 12500 limit/base >50 >20 limit/base 0.85	10 164 12 2805 current 10 0 <1	11 178 13 3142 history1 9 <1 0 history1 0.63 history1	9 171 14 2674 history2 12 0 <1
ppm ppm ppm ppm ppm ppm ppm ppm ppm scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D8045 method *Visual	50 350 100 12500 limit/base >50 >20 limit/base 0.85 limit/base	10 164 12 2805 current 10 o <1 current 0.65 current	11 178 13 3142 history1 9 <1 0 history1 0.63 history1 LIGHT	9 171 14 2674 history2 12 0 <1 history2 0.61 history2 NONE
ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D8045	50 350 100 12500 limit/base >50 >20 limit/base 0.85	10 164 12 2805 current 10 o <1 current 0.65 current	11 178 13 3142 history1 9 <1 0 history1 0.63 history1	9 171 14 2674 history2 12 0 <1 history2 0.61 history2
ppm ppm ppm ppm ppm ppm ppm ppm ppm scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m *Visual *Visual *Visual	50 350 100 12500 limit/base >50 >20 limit/base 0.85 limit/base NONE NONE NONE	10 164 12 2805	11 178 13 3142 history1 9 <1 0 history1 0.63 history1 LIGHT NONE NONE	9 171 14 2674 history2 12 0 <1 history2 0.61 history2 NONE
ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual	50 350 100 12500 limit/base >50 >20 limit/base 0.85 limit/base	10 164 12 2805	11 178 13 3142 history1 9 <1 0 history1 0.63 history1 LIGHT NONE	9 171 14 2674 history2 12 0 <1 history2 0.61 history2 NONE NONE
ppm ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m *Visual *Visual *Visual	50 350 100 12500 limit/base >50 >20 limit/base 0.85 limit/base NONE NONE NONE	10 164 12 2805	11 178 13 3142 history1 9 <1 0 history1 0.63 history1 LIGHT NONE NONE NONE LIGHT	9 171 14 2674 history2 12 0 <1 history2 0.61 history2 NONE NONE NONE
ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual	50 350 100 12500 limit/base >50 >20 limit/base 0.85 limit/base NONE NONE NONE	10 164 12 2805 current 10 o <1 current 0.65 current NONE NONE NONE NONE	11 178 13 3142 history1 9 <1 0 history1 0.63 history1 LIGHT NONE NONE	9 171 14 2674 history2 12 0 <1 history2 0.61 history2 NONE NONE NONE NONE
ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method *Visual *Visual *Visual *Visual *Visual *Visual	50 350 100 12500 limit/base >50 >20 limit/base 0.85 limit/base NONE NONE NONE NONE NONE	10 164 12 2805	11 178 13 3142 history1 9 <1 0 history1 0.63 history1 LIGHT NONE NONE NONE LIGHT	9 171 14 2674 history2 12 0 <1 history2 0.61 history2 NONE NONE NONE NONE NONE NONE NONE
ppm ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D8045 method *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	50 350 100 12500 limit/base >50 >20 limit/base 0.85 limit/base NONE NONE NONE NONE NONE NONE NONE	10 164 12 2805	11 178 13 3142 history1 9 <1 0 history1 0.63 history1 LIGHT NONE NONE NONE NONE LIGHT NONE	9 171 14 2674 history2 12 0 <1 history2 0.61 history2 NONE NONE NONE NONE NONE NONE NONE NON
ppm ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D8045 Method *Visual	50 350 100 12500 limit/base >50 >20 limit/base 0.85 limit/base NONE NONE NONE NONE NONE NONE NONE NON	10 164 12 2805	11 178 13 3142 history1 9 <1 0 history1 0.63 history1 LIGHT NONE NONE NONE NONE NONE NONE NONE NON	9 171 14 2674 history2 12 0 <1 history2 0.61 history2 NONE NONE NONE NONE NONE NONE NONE NON
	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	Client Info Client Info Client Info mls Client Info mls Client Info Client Info Client Info Client Info Client Info Mathematical Client Info Client Info Mathematical Client Info Client Info Mathematical Client Info Client Info Mathematical Client	Client Info	Client Info	Client Info WC0605549 WC0605749 Client Info 23 Jun 2023 30 Mar 2023 mls Client Info 0 0 mls Client Info 0 0 Client Info Not Changd Not Changd NORMAL NORMAL NORMAL The proof of

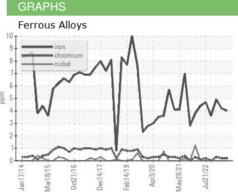


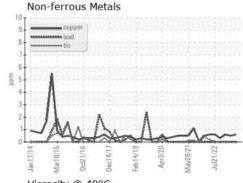
OIL ANALYSIS REPORT



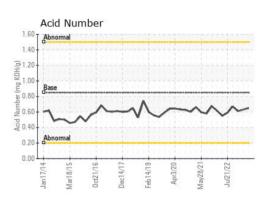
















Certificate L2367

Laboratory

Sample No. Lab Number **Unique Number** Test Package : IND 2

: WC0605549 : 05901381 : 10562737

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 18 Jul 2023 Diagnosed : 20 Jul 2023 Diagnostician : Don Baldridge

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)

MARS CHOCOLATE

2019 NORTH OAK PARK CHICAGO, IL US 60707

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

Contact/Location: TONY FIORE - MARSCHI

F: