

OIL ANALYSIS REPORT

[604317520 SR] **PETZ 8 MD (S/N 20069613)**

Component **Gearbox**

GEAR OIL ISO 220 (--- GAL)

Sample Rating Trend

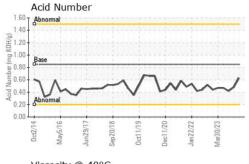


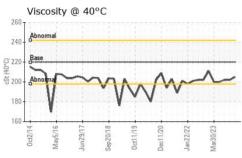
` ,		t2014 May20	016 Jun2017 Sep2018	Oct2019 Dec2020 Jan2022	Mar2023	
DIAGNOSIS	SAMPLE INFORMATION	ON method	limit/base	current	history1	history2
Recommendation	Sample Number	Client Info		WC0854425	WC0605491	WC0854378
Resample at the next service interval to monitor.	Sample Date	Client Info		07 Mar 2024	14 Dec 2023	15 Sep 2023
Wear	Machine Age mls	Client Info		0	0	0
All component wear rates are normal.	Oil Age mls	Client Info		0	0	0
Contamination	Oil Changed	Client Info		Not Changd	Not Changd	Not Changd
There is no indication of any contamination in the	Sample Status			NORMAL	NORMAL	NORMAL
oil.	CONTAMINATION	method	limit/base	current	history1	history2
Fluid Condition The AN level is acceptable for this fluid. The	Water	WC Method	>0.2	NEG	NEG	NEG
condition of the oil is suitable for further service.	WEAR METALS	method	limit/hase	current	history1	history2

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				NORMAL	NORMAL	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
Iron	ppm	ASTM D5185m	>200	5	0	2
Chromium	ppm	ASTM D5185m	>15	0	0	<1
Nickel	ppm	ASTM D5185m	>15	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	<1	5
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	<1	0	<1
Tin	ppm	ASTM D5185m	>25	0	0	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	50	0	0	0
Barium	ppm	ASTM D5185m	15	0	0	0
Molybdenum	ppm	ASTM D5185m	15	0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	50	0	2	<1
Calcium	ppm	ASTM D5185m	50	2	4	3
Phosphorus	ppm	ASTM D5185m	350	150	529	513
Zinc	ppm	ASTM D5185m	100	0	38	31
Sulfur	ppm	ASTM D5185m	12500	2601	1292	1524
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	11	9	8
Sodium	mag	ASTM D5185m		0	<1	<1



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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	LIGHT	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 PROPERT	TES	method	limit/base	current	history1	history2

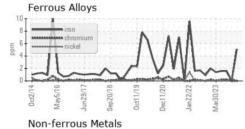
Visc @ 40°C	cSt	ASTM D445	220	205	202	202

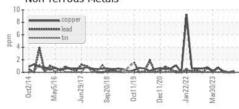
SAMPLE IMAGES	method		

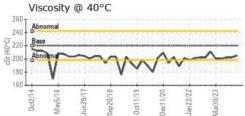
Color

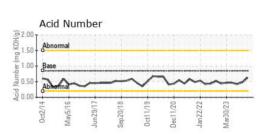
















Certificate L2367

Laboratory Sample No. Unique Number : 10936713

Test Package : IND 2

Lab Number : 06122562

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0854425

Received **Tested** Diagnosed

: 19 Mar 2024 : 20 Mar 2024

: 21 Mar 2024 - Jonathan Hester

2019 NORTH OAK PARK CHICAGO, IL US 60707 Contact: TONY FIORE tony.fiore@effem.com

MARS CHOCOLATE

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)

F:

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