

OIL ANALYSIS REPORT

Sample Rating Trend



Frac. 5 02128CM12002

Component **Gear Motor** Elui

ROYAL PURPLE SYNFILM 32 (--- GAL)

Recommendation

Resample at the next service interval to monitor.

Wear

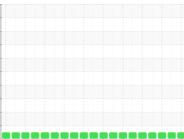
All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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





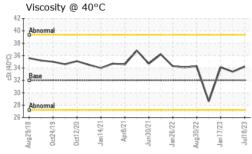
ug2018 0ct2019 0ct2020 Jan2021 Aor2021 Jun2021 Jan2027 Jan207 Jan2

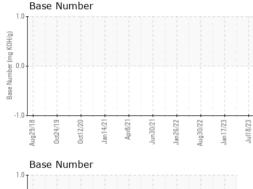
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0027140	RP0027150	RP0020753
Sample Date		Client Info		18 Jul 2023	12 Apr 2023	17 Jan 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>30	0	0	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	0	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>25	2	2	2
Tin	ppm	ASTM D5185m	>5	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		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	90	5	8	13
Calcium	ppm	ASTM D5185m		<1	<1	<1
Phosphorus	ppm	ASTM D5185m		0	3	12
Zinc	ppm	ASTM D5185m		0	1	<1
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1	1	1
Sodium	ppm	ASTM D5185m		0	2	4
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water	%	ASTM D6304	>0.1	0.003	0.007	0.009
ppm Water	ppm	ASTM D6304	>1000	34.2	79.5	97.5
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.39	0.40	0.40

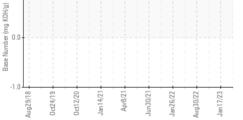


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Thite Metal scalar *Visual NONE ellow Metal scalar *Visual NONE recipitate scalar *Visual NONE lt scalar *Visual NONE ebris scalar *Visual NONE and/Dirt scalar *Visual NONE opearance scalar *Visual NORML dor scalar *Visual NORML dor scalar *Visual NORML dor scalar *Visual NORML mulsified Water scalar *Visual >0.1 rece Water scalar *Visual >0.1 sc @ 40°C cSt ASTM D445 32 GRAPHS Ferrous Alloys Errous Metals Errous Alloys finance finance finance finance opper finance finance finance opper finance finance finance opper finance finance finance opper finance fina	NONE NONE NONE NONE NORML NORML NEG NEG 34.2	NONE NONE NONE NONE NORML NORML NEG NEG history1 33.4	NONE NONE NONE NONE NORML NORML NEG NEG history2 34.1
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FLUID PROPERTIES method limit/base sc @ 40°C cSt ASTM D445 32 GRAPHS Ferrous Alloys	current	history1	history2
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GRAPHS Ferrous Alloys	34.2	33.4	34.1
Ferrous Alloys			
Aug25/18 Aug22/18 0ct2/13 0ct2/19 0ct12/20 0ct2/19 Jan14/21 0ct2/19 Jan14/21 Jan14/21 Jan26/22 Jan16/21 Jan126/22 Jan17/23 Jan17/23 Jan17/23 Jan17/23 Jan17/23 Jan17/23 Jan17/23			
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Non-ferrous Metals			
Aug29/18 Oct24/19 Jan14/21 Apr6/21 Jan126/22 Aug30/22 Jan17/23 Jan17/23			
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Contact/Location: TOMMY EDWARDS - ENTHOU