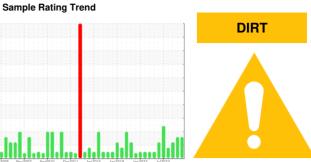


OIL ANALYSIS REPORT



Machine Id 082CM12002

ROYAL PURPLE SYNFILM GT 32 (500 GAL

Turbine

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

Elemental level of silicon (Si) above normal. The amount and size of particulates present in the system are acceptable.

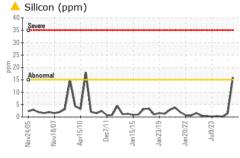
Fluid Condition

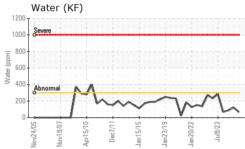
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

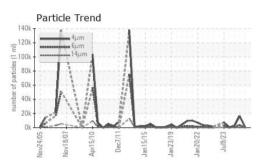
v2005 Nov2007 Apr2010 Dev2011 Jan2015 Jan2019 Jan2022 Ju2023						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0041037	RP0041053	RP0028190
Sample Date		Client Info		11 Jul 2024	09 Apr 2024	21 Jan 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>15	0	0	0
Chromium	ppm	ASTM D5185m	>4	0	0	0
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	0	0
Lead	ppm	ASTM D5185m		0	0	0
Copper	ppm	ASTM D5185m	>5	14	14	15
Tin	ppm	ASTM D5185m	>5	0	<1	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		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		6	13	34
Calcium	ppm	ASTM D5185m		<1	0	2
Phosphorus	ppm	ASTM D5185m		<1	15	0
Zinc	ppm	ASTM D5185m		0	0	0
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<u> 16</u>	1	<1
Sodium	ppm	ASTM D5185m		2	0	<1
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D6304	>0.03	0.006	0.012	0.008
ppm Water	ppm	ASTM D6304	>300	65	121	88
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		1258	16175	2590
Particles >6µm		ASTM D7647	>1300	467	<u> </u>	1214
Particles >14µm		ASTM D7647	>160	62	265	184
Particles >21µm		ASTM D7647		22	77	59
Particles >38µm		ASTM D7647	>10	1	1	3
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/14	17/16/13	<u>21/19/15</u>	19/17/15
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.37	0.39	0.38

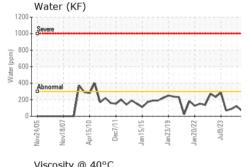


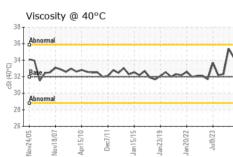
OIL ANALYSIS REPORT











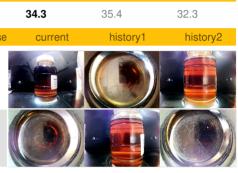
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.03	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERTIES		method	limit/hasa	current	history1	history2

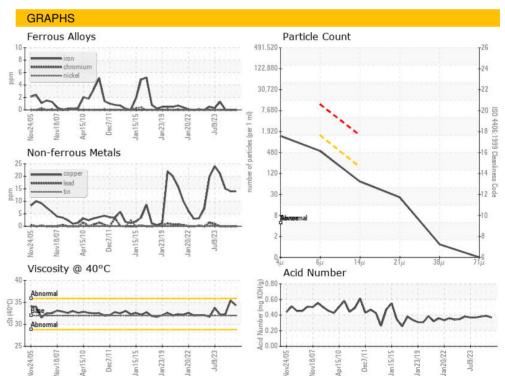
FLUID PROPER	THES	metnoa	ilmit/base	current	nistory i	nistory
Visc @ 40°C	cSt	ASTM D445	32	34.3	35.4	32.3

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color











Laboratory Sample No.

Lab Number : 06234925

: RP0041037 Unique Number : 11123759

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 12 Jul 2024 **Tested** : 15 Jul 2024

Diagnosed : 15 Jul 2024 - Don Baldridge

Test Package : IND 2 (Additional Tests: PrtCount) Certificate 12367 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.

ENTERPRISE PRODUCTS

P.O. BOX 573 MONT BELVIEU, TX US 77580

Contact: TOMMY EDWARDS tedwards@eprod.com

> T: (281)217-1411 F: (281)385-4327

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: TOMMY EDWARDS - ENTHOU