

OIL ANALYSIS REPORT

Sample Rating Trend

m2018 De2018 Sm2019 And/020 Jan2021 On2021 Juli0022 And/022 Jan202

NORMAL



Wetstarch Machine Id Germ Cooler

Component

Case Drain Gearbox

ROYAL PURPLE SYNERGY 90/220 (16 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

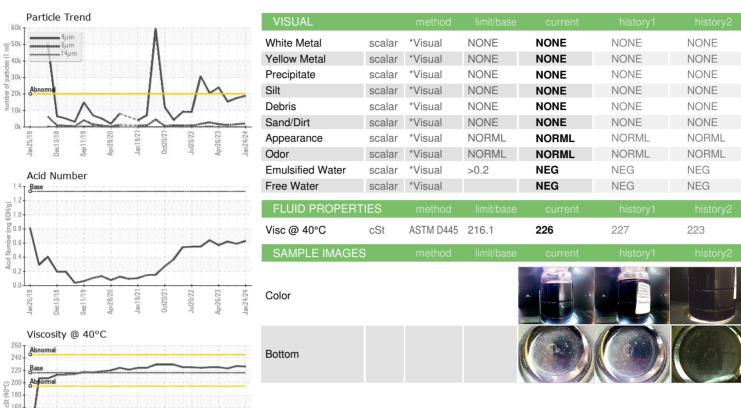
Fluid Condition

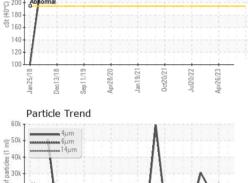
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

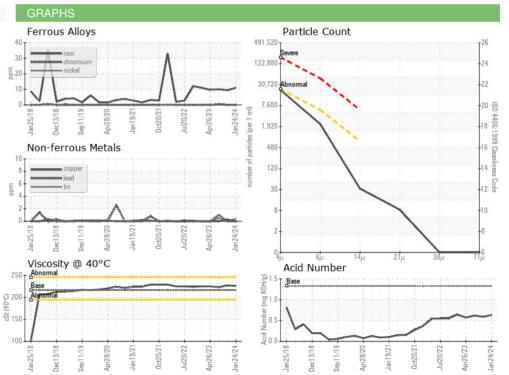
		in2018 Dec20	18 Sep2019 Apr2020	Jan2021 Oct2021 Jul2022 Ap	or2023 Jan202	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0886150	WC0816914	WC0635861
Sample Date		Client Info		24 Jan 2024	30 Oct 2023	26 Jul 2023
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	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	11	9	10
Chromium	ppm	ASTM D5185m	>15	0	0	<1
Nickel	ppm	ASTM D5185m	>15	0	<1	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	2	1	1
Lead	ppm	ASTM D5185m	>100	0	0	1
Copper	ppm	ASTM D5185m	>200	0	<1	0
Tin	ppm	ASTM D5185m	>25	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	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		<1	<1	0
Magnesium	ppm	ASTM D5185m		0	<1	3
Calcium	ppm	ASTM D5185m		16	19	12
Phosphorus	ppm	ASTM D5185m	370	334	363	272
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		13085	14141	15943
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	9	8	4
Sodium	ppm	ASTM D5185m		<1	<1	0
Potassium	ppm	ASTM D5185m	>20	<1	<1	2
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>20000	18716	17503	15262
Particles >6µm		ASTM D7647	>5000	1973	1637	1090
Particles >14µm		ASTM D7647	>640	28	40	28
Particles >21µm		ASTM D7647	>160	7	5	4
Particles >38µm		ASTM D7647	>40	0	0	0
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	21/18/12	21/18/12	21/17/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.33	0.63	0.59	0.62
, Sid Halliber (AIV)	my normy	, 10 T W D0070		0.00	0.00	0.02



OIL ANALYSIS REPORT









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Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: 10857829

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 31 Jan 2024 : WC0886150 Recieved : 06075738 Diagnosed : 01 Feb 2024

: Wes Davis Diagnostician

Test Package : IND 2 (Additional Tests: PrtCount) 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)

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