

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id T019-02 Hydraulic System

FYRQUEL 220 (--- GAL)

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

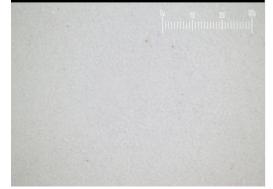
Contamination

The amount and size of particulates present in the system are acceptable. 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.

Particle Filter (Magn: 200 x)



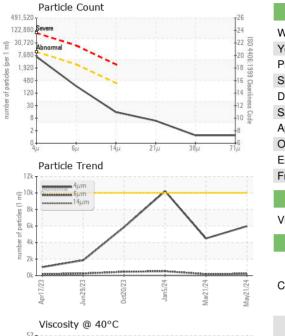
SAMPLE INFORM		method	limit/base	current	history1	history2
			- mm/base			
Sample Number		Client Info		PH0001539	PH0001541	PH0001545
Sample Date	lava	Client Info		21 May 2024	21 Mar 2024	05 Jan 2024
Machine Age	hrs hrs	Client Info Client Info		0	0	0
Oil Age Oil Changed	1115	Client Info		U N/A	0 N/A	0 N/A
Sample Status		Cilent Inio		NORMAL	NORMAL	ATTENTION
				-	-	
CONTAMINATIO	N	method	limit/base		history1	history2
Water		WC Method	>0.05	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1	2	2
Chromium	ppm	ASTM D5185m	>20	6	9	10
Nickel	ppm	ASTM D5185m	>20	<1	0	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	2	1
Lead	ppm	ASTM D5185m	>20	<1	0	0
Copper	ppm	ASTM D5185m	>20	<1	<1	<1
Tin	ppm	ASTM D5185m	>20	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	4
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		3	3	1
Calcium	ppm	ASTM D5185m		8	8	2
Phosphorus	ppm	ASTM D5185m		55041	45648	45238
Zinc	ppm	ASTM D5185m		28	18	0
Sulfur	ppm	ASTM D5185m		8	0	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	9	5	5
Sodium	ppm	ASTM D5185m		2	1	3
Potassium	ppm	ASTM D5185m	>20	2	2	<1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	5985	4489	0214
Particles >6µm		ASTM D7647	>2500	230	178	519
Particles >14µm		ASTM D7647	>320	13	5	18
Particles >21µm		ASTM D7647	>80	5	1	5
Particles >38µm		ASTM D7647	>20	1	0	0
Particles >71µm		ASTM D7647	>4	1	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	20/15/11	19/15/10	21/16/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.03	0.18	0.06	0.06

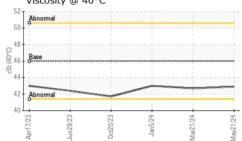
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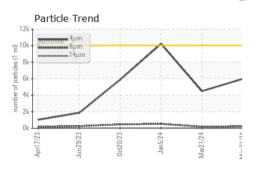
0.18 0.06 0.06 Contact/Location: JASON MYERS - PAREUG



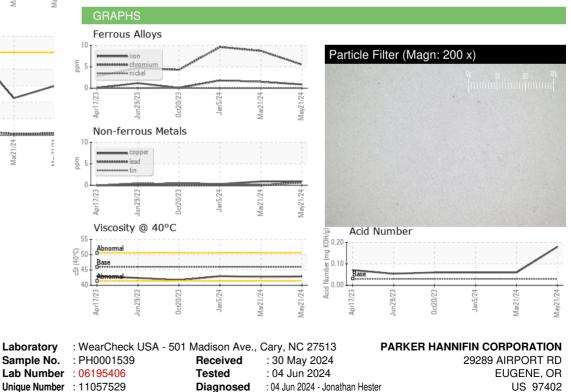
OIL ANALYSIS REPORT







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	NONE	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	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	42.9	42.7	43.0
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color				•		•
Bottom						
PrtFilter						





Unique Number : 11057529 Test Package : PLANT (Additional Tests: PrtFilter) 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. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

US 97402 Contact: JASON MYERS jason.myers@parker.com T: F:

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Laboratory

Sample No.

Contact/Location: JASON MYERS - PAREUG