

OIL ANALYSIS REPORT

NORMAL

Machine Id

SALVAGNINI SALVAGNINI 4

Component Hydraulic System Fluid

{not provided} (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

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

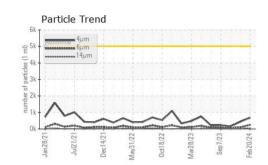
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

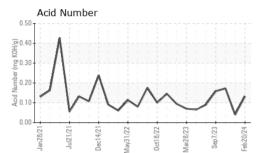
		an2021 Jul	2021 Dec2021 May20	22 Oct2022 Mar2023 Sep20	023 Feb202		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		PTK0005468	PTK0005091	PTK0005082	
Sample Date		Client Info		20 Feb 2024	04 Jan 2024	06 Nov 2023	
Machine Age	hrs	Client Info		0	0	0	
Oil Age	hrs	Client Info		0	0	0	
Dil Changed		Client Info		N/A	N/A	N/A	
Sample Status				NORMAL	NORMAL	NORMAL	
CONTAMINATIO	ON	method	limit/base	current	history1	history2	
Water		WC Method	>0.1	NEG	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2	
ron	ppm	ASTM D5185m	>20	<1	0	0	
Chromium	ppm	ASTM D5185m	>10	<1	0	0	
lickel	ppm	ASTM D5185m	>10	0	0	0	
ītanium	ppm	ASTM D5185m		0	0	0	
Silver	ppm	ASTM D5185m		0	0	0	
Aluminum	ppm	ASTM D5185m	>10	<1	0	0	
ead	ppm	ASTM D5185m	>10	0	0	0	
Copper	ppm	ASTM D5185m	>75	<1	<1	<1	
Fin	ppm		>10	0	0	0	
/anadium	ppm	ASTM D5185m	210	0	0	0	
Cadmium	ppm	ASTM D5185m		0	0	0	
ADDITIVES	ppm	method	limit/base	current	history1	history2	
			mmbase				
Boron	ppm	ASTM D5185m		0	0	0	
Barium	ppm	ASTM D5185m		0	0	0	
Aolybdenum	ppm	ASTM D5185m		0	0	0	
langanese	ppm	ASTM D5185m		0	0	0	
<i>A</i> agnesium	ppm	ASTM D5185m		3	0	0	
Calcium	ppm	ASTM D5185m		83	100	109	
Phosphorus	ppm	ASTM D5185m		301	350	407	
Zinc	ppm	ASTM D5185m		25	26	32	
Sulfur	ppm	ASTM D5185m		1252	1244	1408	
CONTAMINANT	S	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>20	0	0	<1	
Sodium	ppm	ASTM D5185m		<1	<1	0	
Potassium	ppm	ASTM D5185m	>20	1	0	0	
FLUID CLEANLI	NESS	method	limit/base	current	history1	history2	
Particles >4µm		ASTM D7647	>5000	684	440	150	
Particles >6µm		ASTM D7647	>1300	241	101	46	
Particles >14µm		ASTM D7647	>160	27	13	6	
Particles >21µm		ASTM D7647	>40	6	4	2	
Particles >38µm		ASTM D7647	>10	0	0	0	
Particles >71µm		ASTM D7647	>3	0	0	0	
Dil Cleanliness		ISO 4406 (c)	>19/17/14	17/15/12	16/14/11	14/13/10	
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045		0.132	0.04	0.172	
32:10) Rev: 1		Contact/Location: JARRETT BUCKHOLZ - APGFR					

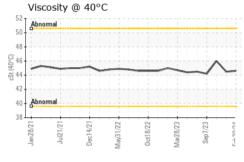
Contact/Location: JARRETT BUCKHOLZ - APGFRI

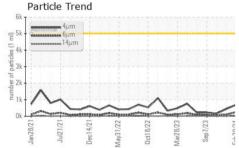


OIL ANALYSIS REPORT









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	>0.1	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		44.6	44.5	46.0
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color						
Bottom						

Ferrous Alloys Particle Count 491 520 122,880 30,720 20 8 Oct18/22 /lar28/23 Feb20/24 4/21 Sep7/23 May31/22 1an 28/2 (per 1 Decl 1,920 Non-ferrous Metals 480 6 10 120 2 Code 30 0ct18/22 /lar28/23 eb20/24 Sep7/23 Dec14/21 May31/22 Jul21 Viscosity @ 40°C Acid Number 55 (B) 0.50 HOX 0.40 50 (40°C) Ë 0.30 45 ළි 0.20 S Abr LIN 0.10 40 0.00 Pcid 35 Jan28/21. Sep7/23. Feb20/24. Mar28/23 Sep7/23 eb20/24 Jul21/21 Dec14/21 May31/22 Oct18/22 Mar28/23 Jul21/21 Dec14/21 May31/22 0ct18/22 an 28/21

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 **APG CASH DRAWER** Sample No. : PTK0005468 Received : 15 Apr 2024 5250 INDUSTRIAL BLVD NE Lab Number : 06148629 Tested : 16 Apr 2024 FRIDLEY, MN Unique Number : 10978707 Diagnosed : 16 Apr 2024 - Wes Davis US 55421 Test Package : MOB 2 Contact: JARRETT BUCKHOLZ Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. jarrett.buckholz@us.cashdrawer.com T: (763)571-5000 * - 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: (763)571-5771

Report Id: APGFRI [WUSCAR] 06148629 (Generated: 04/16/2024 11:32:10) Rev: 1

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