

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Machine Id N/A New Oil RENOLIN ZAF B 10 HT ZINC FREE Component New (Unused) Oil

Fluid

FUCHS RENOLIN ZAF B 10 HT ZINC FREE (--- GAL)

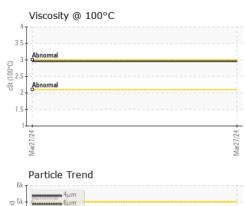
Recommendation

This is a baseline read-out on the submitted sample.

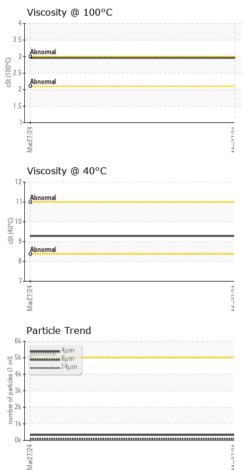
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		FCH0000025		
Sample Date		Client Info		27 Mar 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m		0		
Chromium	ppm	ASTM D5185m		0		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m		0		
Lead	ppm	ASTM D5185m		0		
Copper	ppm	ASTM D5185m		0		
Tin	ppm	ASTM D5185m		0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		0		
Phosphorus	ppm	ASTM D5185m		137		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		2015		
CONTAMINANTS		method	limit/base		history1	history2
Silicon	ppm	ASTM D5185m		0		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	0		
Water	%	ASTM D6304		NEG		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	326		
Particles >6µm		ASTM D7647	>1300	73		
Particles >14µm		ASTM D7647	>160	12		
Particles >21µm		ASTM D7647		5		
Particles >38µm		ASTM D7647	>10	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	16/13/11		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.241		



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	VISUAL		method	limit/base	current	history1	history2
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
	Precipitate	scalar	*Visual	NONE	NONE		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
Mar27/24	Appearance	scalar	*Visual	NORML	NORML		
Mar2	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual		NEG		
	Free Water	scalar	*Visual		NEG		
	FLUID PROPERT	IES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D445		9.28		
	Visc @ 100°C	cSt	ASTM D445		2.96		
	Viscosity Index (VI)	Scale	ASTM D2270		196		
	SAMPLE IMAGES			limit/base		biotonul	history
Mar27/24		5	method	iimii/base	current	history1	history2
Mar	Color					no image	no image
	Bottom				CHARGE C	no image	no image
, <i>MCTC</i> M	Ferrous Alloys	s		491,520 122,880 30,720 40(22,880 122,880 122,880 480 480 480 120 120 120 120 120 120 120 120 120 12	Particle Count		-26 -24 -22 -20 -18 -16 -14
	8 copper			120		•	-14
				E 30			-12
A CI LO	2						-10
1 1 1				0		1	T ^{II}
	Mar27/24			Mar27/24	•		-8
				₹ 0	μ <u>6</u> μ	14µ 21µ	38µ 71µ
	Viscosity @ 40°C				Acid Number	- In	
	11 Abnormal			(P) 0.25 (P) 0.20 (P) 0.20 (P) 0.15 (P) 0.15 (P) 0.10 (P) 0.05	I		
				€ 0.15			
	(그 10 - 0 년) 당 9 - Abnormal			a 0.10			
				0.05 Acid Nur			
	8				L+		
	8				/24		
Act CoA	Mar21/24			Mar27/24 -	Mar27/24		
Laboratory Sample No. Lab Number Unique Number Test Package discuss this sample report,	: WearCheck USA - 50 : FCH0000025 : 06141874 : 10966682 : PLANT (Additional Te	Receit Teste Diagr ests: FT-	ived : 08 ed : 10 nosed : 10 IR, KV100, V	, NC 27513 3 Apr 2024 9 Apr 2024 Apr 2024 - Dou 1)	Dana - F/ 2400		PKWY S #240 AFAYETTE, I US 4790 ervice Manage

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

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Submitted By: GODWIN GEORGE Page 2 of 2