

Sample Rating Trend

ISO

FR-200 - CROSS FLUID-RITE 200 Component New (Unused) Oil Fluid

{not provided} (--- GAL)

DIAGNOSIS

Machine Id

A Recommendation

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

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

The pH level of this fluid is within the acceptable limits at 9.0.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		SBP0001580		
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				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>5	0		
Chromium	ppm	ASTM D5185m	>5	0		
Nickel	ppm	ASTM D5185m	>5	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>5	0		
Aluminum	ppm	ASTM D5185m	>5	0		
Lead	ppm	ASTM D5185m	>5	<1		
Copper	ppm	ASTM D5185m	>5	0		
Tin	ppm	ASTM D5185m	>5	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		1		
Calcium	ppm	ASTM D5185m		9		
Phosphorus	ppm	ASTM D5185m		19		
Zinc	ppm	ASTM D5185m		39		
Sulfur	ppm	ASTM D5185m		45		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	<1		
Water	%	ASTM D6304		43.3		
ppm Water	ppm	ASTM D6304		433000		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<u> </u>		
Particles >6µm		ASTM D7647	>1300	<u> </u>		
Particles >14µm		ASTM D7647	>160	<u> </u>		
Particles >21µm		ASTM D7647	>40	<u> </u>		
Particles >38µm		ASTM D7647	>10	6		
Particles >71µm		ASTM D7647	>3	<u> </u>		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	1/20/17		



number of particles (1 ml) 9 90 10

Acid Number (mg KOH/g) 0.00

500000 400000 E 300000 Mater () 100000

OIL ANALYSIS REPORT

Particle Trend	VISUAL		method	limit/base	current	history1	history2
	White Metal	scalar	*Visual	NONE	NONE		
14μm	Yellow Metal	scalar	*Visual	NONE	NONE		
	Precipitate	scalar	*Visual	NONE	NONE		
Abnormal	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
1/24 -	Appearance	scalar	*Visual	NORML	NORML		
Mai 21/2.	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual		0.2%		
Water (KF)	Free Water	scalar	*Visual		NEG		
				11 11 11			
	FLUID PROPERT		method	limit/base	current	history1	history2
	рН	Scale 0-14			9.00		
	Visc @ 40°C	cSt	ASTM D445		42.48		
	Visc @ 100°C	cSt	ASTM D445		9.25		
Several	Viscosity Index (VI)	Scale	ASTM D2270		208		
	SAMPLE IMAGES	6	method	limit/base	current	history1	history2
≊ Nater (KF)	Color					no image	no image
	Bottom					no image	no image
Servernal	GRAPHS						
-7/1 - 7000-00-00-00-00-00-00-00-00-00-00-00-00	Ferrous Alloys				Particle Count		
9 H	10ironi			491,52) [ľ
/iscosity @ 100°C	E 5 -			122,88)-		-2
Abnormal				30,720			-
	0	************	************************	- 7.68	Abnormal		
	Mar27/24			Mar27/24 s (per 1 ml			
Abnormal	Mar2			Zie dia 1,920			
	Non-ferrous Metal	5		Mar27/24 106'1 ml) 189'2			
	¹⁰			to to		• /	
	copper			qum	i		
Mar 27/24	톱 5 tin			31	0		
Mari					3-		
Acid Number	124			/24	2		-
	Mar27,			Mar27/2 ⁴			
	_ Viscosity @ 40°C				4μ 6μ	14μ 21μ	38µ 71µ
	¹²⁰ T Abnormal			Ş [®] 1.00	Acid Number		
	G ¹⁰⁰ Abnormal			a Koh			
	Abnormal			<u>ل</u> له 0.00			
	⁶⁰ 60			lumb.			
	40			10.0 (mg KOH/g)			
	Mar27/24			Mar27/24	Mar27/24		
	Mai			Mai	Ma		
- 4							
	: WearCheck USA - 50				NEBR	ASKA ALUMINU	IM CASTIN
Laboratory	000001500	Recei		Apr 2024			IASTINGS,
Sample No.	: SBP0001580	Teet					
Sample No. Lab Number	: 06139044	Teste		Apr 2024	han Hostor	Г	
Sample No. Lab Number Unique Number	: <mark>06139044</mark> : 10963852	Diagr	nosed : 09	Apr 2024 - Jonat	han Hester		US 689
Sample No. Lab Number Unique Number	: <mark>06139044</mark> : 10963852 : PLANT (Additional Te	Diagr sts: FT-I	n osed : 09 R, KV100, P	Apr 2024 - Jonat H, VI)	han Hester		US 689 OREN MYE

Contact/Location: LOREN MYERS - NEBHASNE