

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Machine Id L1 - SEAMER BASE - LUBRIPLATE SEAMER 150 Component New (Unused) Oil

Fluid

{not provided} (--- GAL)

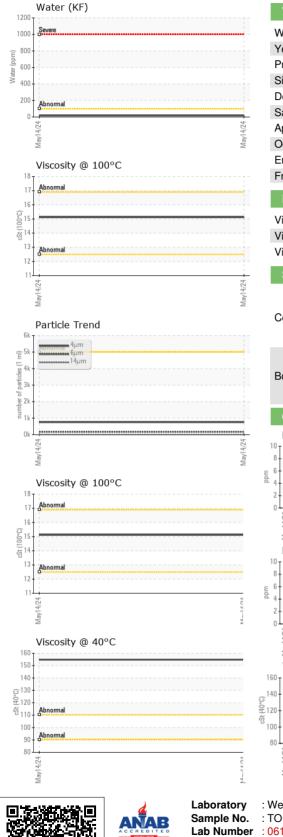
Recommendation

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

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO10003458		
Sample Date		Client Info		14 May 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	>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	0		
Copper	ppm	ASTM D5185m	>5	1		
Tin	ppm	ASTM D5185m	>5	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		87		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		993		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0		
Sodium	ppm	ASTM D5185m		1		
Potassium	ppm	ASTM D5185m	>20	0		
Water	%	ASTM D6304		0.002		
ppm Water	ppm	ASTM D6304		19		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	755		
Particles >6µm		ASTM D7647	>1300	173		
Particles >14µm		ASTM D7647	>160	6		
Particles >21µm		ASTM D7647	>40	1		
Particles >38µm		ASTM D7647	>10	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/15/10		
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.32		



OIL ANALYSIS REPORT



	VISUAL		ام م مالح میں				
			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		
4	Sand/Dirt	scalar	*Visual	NONE	NONE		
May14/24	Appearance	scalar	*Visual	NORML	NORML		
Ξ.	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual		NEG		
	Free Water	scalar	*Visual		NEG		
	FLUID PROPERT	TIES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D445		154.8		
	Visc @ 100°C	cSt	ASTM D445		15.12		
	Viscosity Index (VI)	Scale	ASTM D2270		97		
	SAMPLE IMAGES	S	method	limit/base	current	history1	history2
May14,24 -		5	methou	IIIIII/base		Thistory	Thistory2
May	Color					no image	no image
	Bottom					no image	no image
	GRAPHS						
	GRAPHS Ferrous Alloys				Particle Count		
	Ferrous Alloys			491,520-	Particle Count		T ²⁶
May14/24	Ferrous Alloys			491,520	Particle Count		
	Ferrous Alloys			122,880	Particle Count		-24
	Ferrous Alloys				Particle Count		-24
	Ferrous Alloys			122,880 30,720	Particle Count		-24 -22
	Ferrous Alloys			122,880 30,720	Severe		-24 -22
	Ferrous Alloys			122,880 30,720	Severe	x	-24 -22
	Ferrous Alloys	5		122,880 30,720	Severe		-24 -22
	Ferrous Alloys	s		122,880 30,720	Severe		-24 -22 -20 -18 -16 -14
	Ferrous Alloys	ls		122,880 30,720 7,680 72/b//kew 92/b//kew 930 900 900 900 900 900 900 900 900 900	Severe		-24 -22 -20 -18 -16 -14
	- Ferrous Alloys	ls		122,880 30,720 47,74 1,920 W abg append to append to app	Severe		-24 -22 -20 -18 -16 -14 -12
	- Ferrous Alloys	ls		122,880 30,720 10 1,920	Severe		-24 -22 -20 -18 -16 -14
	- Ferrous Alloys	S		122,880 30,720 7,680 7,680 7,680 7,680 7,680 1,920 480 480 1,920 480 1,920 480 1,920 480 1,920 480 1,920 8 1,920 8 1,920 8 1,920 8 1,920 8 1,920	Severe		-24 -22 -20 -18 -16 -14 -14
	- Ferrous Alloys	S		122,880 30,720 47,74 1,920 W abg append to append to app	Severe Abnormal		-24 -22 -20 -18 -16 -14 -12 -10 -8
	- Ferrous Alloys	S		122,880 30,720 7,680 147/h (Part 1,920 1,9	Abnormal	14μ 21μ	-24 -22 -20 -18 -16 -14 -14
	Ferrous Alloys	S		122,880 30,720 7,680 147/h (Part 1,920 1,9	Severe Abnormal		-24 -22 -20 -18 -16 -14 -12 -10 -8
	Non-ferrous Metal	S		122,880 30,720 7,680 147/h (Part 1,920 1,9	Abnormal		-24 -22 -20 -18 -16 -14 -12 -10 -8
	Non-ferrous Metal	S		122,880 30,720 7,680 147/h (Part 1,920 1,9	Abnormal		-24 -22 -20 -18 -16 -14 -12 -10 -8 -8
	Non-ferrous Metal	s		122,880 30,720 7,680 147/h (Part 1,920 1,9	Abnormal		-24 -22 -20 -18 -16 -14 -12 -10 -8
	Non-ferrous Metal	IS I		122,880 30,720 7,680 147/h (Part 1,920 1,9	Abnormal		-24 -22 -20 -18 -16 -14 -12 -10 -8
	Non-ferrous Metal			122,880 30,720 122,880 30,720 1,92	Severe Abnormal Acid Number		-24 -22 -20 -18 -16 -14 -14 -12 -10
	Non-ferrous Metal	S		122,880 30,720 7,680 147/h (Part 1,920 1,9	Abnormal		-24 -22 -20 -18 -16 -14 -14 -12 -10
Realized to the second	Ferrous Alloys Ferrous Alloys For the second seco	1 Madisco Recei Teste Diagr	ived : 16 ed : 21 nosed : 21	122.880 30.720 7.680 1.920 480 1.9200 1.920 1.920 1.920 1.920 1.92000 1.9200 1.9200 1.9200 1.9200 1.92000 1.92000 1.92000 1.92000 1.92000 1.9200000 1.92000000000000000000000000000000000000	Abnormal Acid Number	REFRESCO 15200 FOF	

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

Report Id: REFFOR [WUSCAR] 06181858 (Generated: 05/21/2024 08:34:16) Rev: 1

Contact/Location: Service Manager - REFFOR Page 2 of 2

F: