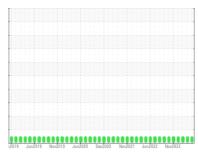


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **C 5511B C 5511B**

Component

Reciprocating Compressor

ROYAL PURPLE SYNFILM 150 (--- GAL)

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

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

32019 Jun2019 Nov2019 Jun2020 Dex2020 Nov2021 Jun2022 Nov2022								
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2		
Sample Number		Client Info		HLC0002537	HLC0002572	HLC0001940		
Sample Date		Client Info		06 Aug 2023	09 Jun 2023	07 Apr 2023		
Machine Age	mls	Client Info		0	0	0		
Oil Age	mls	Client Info		0	0	0		
Oil Changed		Client Info		N/A	N/A	N/A		
Sample Status				NORMAL	NORMAL	NORMAL		
WEAR METALS		method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185m	>50	<1	<1	0		
Chromium	ppm	ASTM D5185m	>10	0	0	0		
Nickel	ppm	ASTM D5185m		0	0	0		
Titanium	ppm	ASTM D5185m		0	0	0		
Silver	ppm	ASTM D5185m		0	0	0		
Aluminum	ppm	ASTM D5185m	>25	0	0	<1		
Lead	ppm	ASTM D5185m	>25	<1	3	2		
Copper	ppm			8	9	8		
Tin	ppm		>15	0	<1	0		
Vanadium	ppm	ASTM D5185m	>10	0	0	0		
				0	0			
Cadmium	ppm	ASTM D5185m		0	0	0		
ADDITIVES		method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185m		0	0	0		
Barium	ppm	ASTM D5185m		0	0	0		
Molybdenum	ppm	ASTM D5185m		0	0	1		
Manganese	ppm	ASTM D5185m		0	0	<1		
Magnesium	ppm	ASTM D5185m	90	89	86	94		
Calcium	ppm	ASTM D5185m		2	14	20		
Phosphorus	ppm	ASTM D5185m		1	1	8		
Zinc	ppm	ASTM D5185m		0	2	0		
Sulfur	ppm	ASTM D5185m		21524	20884	22122		
CONTAMINANTS	;	method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>25	<1	0	0		
Sodium	ppm	ASTM D5185m		2	0	0		
Potassium	ppm	ASTM D5185m	>20	0	1	0		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2		
Particles >4µm		ASTM D7647		614	2297	502		
Particles >6µm		ASTM D7647	>2500	131	502	128		
Particles >14µm		ASTM D7647	>320	3	24	4		
Particles >21µm		ASTM D7647		2	6	1		
Particles >38µm		ASTM D7647	>20	1	1	0		
Particles >71µm		ASTM D7647	>4	0	1	0		
Oil Cleanliness		ISO 4406 (c)	>/18/15	16/14/9	18/16/12	16/14/9		
FLUID DEGRADA		method	limit/base	current	history1	history2		

Acid Number (AN) mg KOH/g ASTM D8045 0.25

0.38

0.34

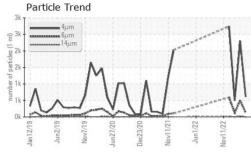
0.27



Acid Number

Acid Number (mg KOH/g) 0.20 0.10

OIL ANALYSIS REPORT



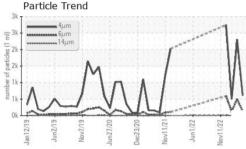
	W	Nov11/2
W`	W`	
		W

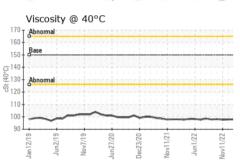
VISUAL		method				history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	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 PROPERI	HES	method			history1	history2
Visc @ 40°C	cSt	ASTM D445	150	98.8	98.6	97.9

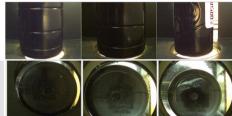
SAMPLE IMAGES

Color





Bottom	
Dottom	



G	GRAP	HS											
	errou	ıs Alloy:	S						ticle Coun	t			
I.	7777	iron .						491,520					T ²⁶
6	*********	chromium nickel						122,880					-24
4 1								30,720 -	×.				-22
يل		6		-	- 12	22	22	₹ 7,680	1				-20
Jan12/19	Jun 2/19	Nov7/19	Jun27/20	Dec23/20	Nov11/21	Jun1/22	Nov11/22	直 1,920-	1	`			+20 +18 +16 +14 +12
Ν		errous l			_		-	1.920 + 480 + 120		`.			16
		copper			, dea		M	jo 120 -	1				-14
		- tin	O.	~	7		1	图 30	1				-12
	_ /					Carp.	N	8 Shreem	nal	/			10
Jan 12/19	01/2/11B	Nov7/19	Jun27/20	Dec23/20	Nov11/21	Jun1/22	Nov11/22	2		_	_		-8
Jan		Nov	Jun2	Dec2	Nov	Jun	Nov1	0,	6 ₁ u	14µ	21μ	38μ	716
	/iscos	ity @ 4	0°C					Acio	d Number		21µ	30µ	IIμ
I	Abnormal Base							(\$0.40 Hg	1 1			1	\ \
15	Abnormal							0.30 Base	MI		~~		W
								O.10 Passe (mg KOH/g)					
L								90.00 Acid					1
Jan 12/19	Jun 2/19	Nov7/19	Jun27/20	Dec23/20	Nov11/21	Jun1/22	Nov11/22	Jan 12/19	Jun2/19 Nov7/19	Jun27/20	Dec23/20	Jun1/22	Nov11/22





Certificate L2367

Laboratory

Sample No. Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Unique Number : 10604124

: HLC0002537 : 05924177

Received Diagnosed

: 14 Aug 2023 : 15 Aug 2023 Diagnostician : Don Baldridge

Test Package : IND 2 (Additional Tests: PrtCount) 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)

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