

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Area **34** Machine Id **[34]** A34 R1 AGITATOR Component

Center Agitator Gearbox

HIGH PERFORMANCE LUBRICANTS GEAR LIFE 220 (7 GAL)

DIAGNOSIS

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.

Fluid Condition

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

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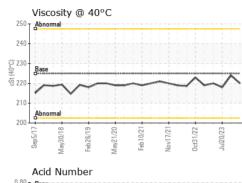


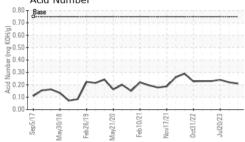
p2017 May2018 Feb2019 May2020 Feb2021 Nov2021 Oct2022 Jul2023

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		HPL0003932	HPL0003598	HPL0003277
Sample Date		Client Info		20 Feb 2024	10 Nov 2023	20 Jul 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		900	750	600
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>150	4	6	9
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	3	4
Lead	ppm	ASTM D5185m	>100	<1	0	0
Copper	ppm	ASTM D5185m	>50	1	<1	1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	<1	<1
Barium	ppm	ASTM D5185m		5	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		0	<1	0
Calcium	ppm	ASTM D5185m		9	32	34
Phosphorus	ppm	ASTM D5185m		15	54	125
Zinc	ppm	ASTM D5185m		17	66	79
Sulfur	ppm	ASTM D5185m		7191	16391	20652
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	1	1	1
Sodium	ppm	ASTM D5185m		0	<1	1
Potassium	ppm	ASTM D5185m	>20	<1	0	0
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.75	0.21	0.22	0.24



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
7/21- 7/21-	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Feb10/21 Nov17/21 Oct31/22 Jul20/23	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		method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D445	225	220	224	218
~	SAMPLE IMAGES		method	limit/base	current	history1	history2
$\sim$	SAMPLE IMAGE	D	methou	IIIIII/Dase	current	THIS LOTY T	Thistory2
Feb10/21 +	Color				no image		• no image
	Bottom				no image		no image
	GRAPHS						
	Iron (ppm)				Lead (ppm)		
	400 Severe			30			
	a 200 - Abnormal			²⁰	Abnormal		
	0				0		
	Sep5/17 //av/30/18 Feb.26/19	Feb10/21-	Nov17/21	Jul20/23 -	Sep5/17 - Aay30/18 - Feb26/19 -	lay21/20 -	Nov17/21
	Sep5/17 May30/18 Feb26/19	Feb1	Nov1 Oct3	Jul2(	Sep5/17 May30/18 Feb26/19	May21/20 Feb10/21	Nov17/21 Oct31/22 Jul20/23
	Aluminum (ppm)				 Chromium (j	(mac	
	100 Severe				¹⁰ Severe		
	E 50 J.				0 - Abnormal		
	- Abnormal			-1			
	/19	0/21	721-	123	V18	/20	/22
	Sep5/17 May30/18 Feb26/19 May21/20	Feb10/21	Nov17/21 Oct31/22	Jul20/23	Sep5/17 May30/18 Feb26/19	May21/20 Feb10/21	Nov17/21 Oct31/22 Jul20/23
	≥				≤ [™] Silicon (ppm	~	,
	200			15		<b>,</b> 	
	Severe			10	10		
	Abnormal			d g	0 - Abnormal		
	118 118 20 118 118	21 <del>.</del>	22	23	117 0	20-	22
	Sep5/17 May30/18 Feb26/19	Feb10/21	Nov17/21 Oct31/22	Jul20/23	Sep5/17 May30/18 Feb26/19	May21/20 Feb10/21	Nov17/21 Oct31/22 Jul20/23
	Viscosity @ 40°C	<u>L</u>	2 0			~	- 0 7
	260 T ALE			10/23 Acid Number (mg KOH/g)	Acid Number		
	Co 240 Abnormal			Ē.	Base	N DECEMBER MARK N.N. DECEMBER MARKED IN MARK N.N. DECEMBER	
	G 240 d 2200 d 2200 Abnormal			and the second s	10	~~~	
	200		2	N Dig			2
	Sep5/17 May30/18 Feb26/19 May21/20	Feb10/21	Nov17/21 Oct31/22	Jul20/23 Acid	Sep5/17 May30/18 Feb26/19	May21/20 Feb10/21	Nov17/21 0ct31/22 Ju/20/23
	: WearCheck USA - 50 : HPL0003932 r : 06097891 r : 10896121	1 Madisc Rece Teste	on Ave., Cary ived : 22		6	2525 S ⊧	KENSING KENSINGTON RE KANKAKEE, IL US 60901 act: TIM HUBER1
o discuss this sample repor - Denotes test methods that Statements of conformity to s	rt, contact Customer Servi t are outside of the ISO 1	7025 sco	ope of accred	litation.		y.hubert@ken	singsolutions.com T: (815)939-8918 F: x

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