

OIL ANALYSIS REPORT

Area 49
Machine Id [49] A49 FAN 2
Component

Center Gearbox

GEAR LIFE 150 (5 GAL)

Sample Rating Trend



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Gear Life 150)

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.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		HPL0003921	HPL0003581	HPL0003181
Sample Date		Client Info		30 Jan 2024	30 Oct 2023	18 Jul 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		2160	540	6730
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	V	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	25	45	35
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	<1	0	1
Lead	ppm	ASTM D5185m	>50	0	0	0
Copper	ppm	ASTM D5185m	>200	0	0	0
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	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	1
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		0	0	1
Calcium	ppm	ASTM D5185m		3	2	4
Phosphorus	ppm	ASTM D5185m		176	169	186
Zinc	ppm	ASTM D5185m		21	37	55
Sulfur	ppm	ASTM D5185m		18538	19473	25639
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	1	<1	<1
Sodium	ppm	ASTM D5185m		<1	0	<1
Potassium	ppm	ASTM D5185m	>20	1	<1	<1
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.72	0.63	0.62

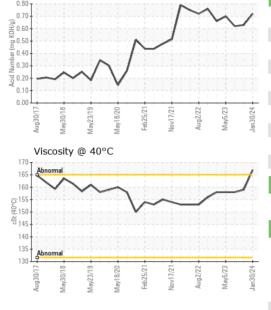


Acid Number

OIL ANALYSIS REPORT

SAMPLE IMAGES

Iron (ppm)



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
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	historv1	historv2

FLUID PROPE	N I IES	method		riistory i	riistory
Visc @ 40°C	cSt	ASTM D445	167	159	158

Color	no image	no image	no image
Bottom	no image	no image	no image
GRAPHS			

Lead (ppm)

600										200 -	-								
	Seve	re									Seve	re							
돌 ⁴⁰⁰ 200	Abno	ormal								튭100-	Abn	l mal							
											Abno	annai			+++	-			-
0	717	118	19	/20	.721	1/21	727	/23	724	0.1	117	- 6	19	/20	./21	1/21	722	/23	124
	Aug30/17	May30/18	May23/19	May18/20	Feb25/21	Nov17/21	Aug2/22	May5/23	Jan30/24		Aug30/17	May30/18	May23/19	May18/20	Feb25/21	Nov17/21	Aug2/22	May5/23	Jan30/24
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100			(Р	,						30 T	Seve								
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Ed 50	Abno	ormal		7-1-1				\		료 10-	Abno	ormal	+++	+++		+++	+ + +	+++	-
0	Ļ	-	4	+++	+++	+++	-/-	\leftarrow	-	0		-		+++	444		4		-
	Aug30/17	May30/18	May23/19	May18/20	Feb25/21	Nov17/21	Aug2/22	May5/23	Jan30/24		Aug30/17	May30/18	May23/19	May18/20	Feb25/21	Nov17/21	Aug2/22	May5/23	Jan30/24
	Aug	May	May	May	Fe	Nov	Aug	Mar	Jan		Aug	May	May	May	Fe	Nov	Aug	Mar	Jan
	Cop	per (ppm)							Silio	con (p	opm)						
600	T 7 - T 1		ppm)						150 T	Silic		opm)	7-7-7				7-7-7	
	Seve Abno	re	(ppm)						150 E 100		re	opm)						
돌 ⁴⁰⁰	Seve	re	(ppm)						150 T E 100 -	Seve	re	opm)						
	Seve	re ormal			12/	/21	722	/23	/24	150 T 100 +	Abno	re ormal		02/	12/	/21	727	723	/24
된 ⁴⁰⁰	Seve	re ormal			-eb25/21	Jov17/21	Aug2/22	May5/23	an30/24	150 T 100 +	Abno	re ormal		ay18/20	-eb25/21	dov17/21	Aug2/22	May5/23	an30/24
돌 ⁴⁰⁰	Abno Abno	ormal Way30/18	May23/19	May18/20	Feb25/21	Nov17/21	Aug2/22	May5/23	Jan30/24	150 100 50	And Abno	mad May30/18	May23/19	May18/20	Feb25/21	Nov17/21	Aug2/22	May5/23	Jan 30/24
된 400 200 0	Abno	ormal 0.000 May 0.000 May	May23/19	May18/20	Feb25/21	Nov17/21	Aug2/22	May5/23	Jan 30/24	150 100 50	And Abno	re ormal	May23/19	May18/20	Feb25/21	Nov17/21	Aug2/22	May5/23	Jan 30/24
E 400 200 0	Abno	ormal 0.000 May 0.000 May	May23/19	May18/20	Feb25/21	Nov17/21	Aug2/22	May5/23	Jan30/24	150 100 50	And Abno	mal May30/18	May23/19	May18/20	Feb 25/21	Nov17/21	Aug2/22	May5/23	Jan30/24
E 400 200 0	Abno	ormal 81/08/lew Cosity	May23/19	May18/20	Feb25/21	Nov17/21	Aug2/22	May5/23	Jan30/24	150 100 50	And Abno	mal May30/18	May23/19	May18/20	Feb25/21	Nov17/21	Aug2/22	May5/23	Jan30/24
된 400 200 0	Abno	ormal 81/08/lew Cosity	May23/19	May18/20	25/21+ Feb25/21	17/21Nov17/21	92/22 Aug2/22	Nay5/23	30/24 Jan30/24	Number (mg KOH/g) ppm	And Abno	mal May30/18	May23/19	18/20 - May18/20	25/21+Feb25/21	17/21 Nov17/21	g2/22 Aug2/22	w5/23 May5/23	30/24 Jan30/24





Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10858487

: HPL0003921 : 06076396 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved Diagnosed

: 31 Jan 2024 : 02 Feb 2024 Diagnostician : Don Baldridge

KENSING 2525 S KENSINGTON RD KANKAKEE, IL

US 60901 Contact: TIM HUBERT

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Submitted By: TIM HUBERT

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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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