

OIL ANALYSIS REPORT

Sample Rating Trend







HC2237 Component Gearbox Fluid GEAR OIL ISO 220 (--- 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.

Fluid Condition

The condition of the oil is acceptable for the time in service.

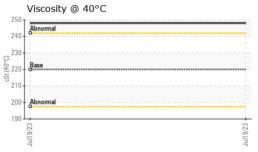
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0746531		
Sample Date		Client Info		19 Jul 2023		
Machine Age	hrs	Client Info		1146		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	63		
Chromium	ppm	ASTM D5185m	>10	1		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	16		
Lead	ppm	ASTM D5185m	>50	0		
Copper	ppm	ASTM D5185m	>200	2		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	3		
Barium	ppm	ASTM D5185m	15	1		
Molybdenum	ppm	ASTM D5185m	15	0		
Manganese	ppm	ASTM D5185m		1		
Magnesium	ppm	ASTM D5185m	50	2		
Calcium	ppm	ASTM D5185m	50	7		
Phosphorus	ppm	ASTM D5185m	350	41		
Zinc	ppm	ASTM D5185m	100	15		
Sulfur	ppm	ASTM D5185m	12500	2244		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	21		
Sodium	ppm	ASTM D5185m		9		
Potassium	ppm	ASTM D5185m	>20	2		
VISUAL		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		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.2	NEG		
Free Water	scalar	*Visual		NEG		
FLUID PROPERTI	IES	method	limit/base	current	history1	history2
Visc @ 40°C 4:20:03) Rev: 1	cSt	ASTM D445	220	248		

Report Id: BUCWILTX [WUSCAR] 05925629 (Generated: 08/17/2023 14:20:03) Rev: 1



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SAMPLE IMAGES method limit/base



	SAIVIPLE IMAGES	method	iimit/base	current	nistory i	nistory2
	Color			no image	no image	no image
- Elitera	Bottom			no image	no image	no image
~	GRAPHS					
	Ferrous Alloys					
	for firm					
	50-					
Ē	40					
	30					
	10-					
	0					
	Jul19/23		Jul19/23			
	→ Non-ferrous Metals		~			
	copper]					
	8 - ensemble tin					
	7					
	3					
	2					
	Jul19/23		Jul19/23			
	Viscosity @ 40°C					
	250 245 Abnormal					
	240					
	230 -					
cSt (40°C)	225 - Base					
:	215					
	205 -					
	200 Abnormal					
	Jui19/23		Jul19/23			
	: WearCheck USA - 501 M : WC0746531 Rece : 05925629 Diagr : 10605576 Diagr : CONST	ived : 15 A nosed : 17 A nostician : Don	ry, NC 27513 Aug 2023 Aug 2023 Baldridge		18123 H	X NER - WILLIS WY 75 NORTH WILLIS, TX US 77378 DHN HAWKINS
To discuss this sample report, c * - Denotes test methods that ar Statements of conformity to specif	e outside of the ISO 17025	scope of accred	itation.		ohnh@bucknerc	companies.com T: F: