

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

KM3301 MOTOR ELECT AC

Hydraulic System Fluid AW HYDRAULIC OIL ISO 32 (--- GAL)

DIAGNOSIS

Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Fluid Condition

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

			May2016	Jan2017		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PP2391057	WC	
Sample Date		Client Info		25 Jan 2017	02 May 2016	
Machine Age	сус	Client Info		0	0	
Oil Age	сус	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	0	0	
Chromium	ppm	ASTM D5185(m)	>10	0	0	
Nickel	ppm	ASTM D5185(m)	>10	0	0	
Titanium	ppm	ASTM D5185(m)		0	0	
Silver	ppm	ASTM D5185(m)		0	0	
Aluminum	ppm	ASTM D5185(m)	>10	0	0	
Lead	ppm	ASTM D5185(m)	>20	<1	<1	
Copper	ppm	ASTM D5185(m)	>20	<1	<1	
Tin	ppm	ASTM D5185(m)	>10	1	1	
Antimony	ppm	ASTM D5185(m)		0	0	
Vanadium	ppm	ASTM D5185(m)		0	0	
Beryllium	ppm	ASTM D5185(m)		0	0	
Cadmium	ppm	ASTM D5185(m)		<1	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	5	<1	<1	
Barium	ppm	ASTM D5185(m)	5	0	<1	
Molybdenum		ASTM D5185(m)	5	0	0	
,	ppm	ASTM D5185(m)	J	0	0	
Manganese	ppm		05	0	0	
Magnesium	ppm	ASTM D5185(m)	25	-		
	ppm	ASTM D5185(m)		56	56	
Phosphorus	ppm	ASTM D5185(m)	300	329	340	
Zinc	ppm	ASTM D5185(m)		436	435	
Sulfur	ppm	ASTM D5185(m)	2500	3632	3739	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	1	2	
Sodium	ppm	ASTM D5185(m)		<1	<1	
Potassium	ppm	ASTM D5185(m)	>20	0	0	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	943	2 1037	
Particles >6µm		ASTM D7647	>1300	180	▲ 5304	
Particles >14µm		ASTM D7647	>160	14	2 76	
Particles >21µm		ASTM D7647	>40	4	A 76	
Particles >38µm		ASTM D7647	>10	0	10	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/15/11	▲ 22/20/15	
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.57	0.429	1.14	
13:58) Bev: 1					ct/Location: Sam	Nash - HIRST I

Report Id: HIBSTJ [WCAMIS] 02126781 (Generated: 10/13/2023 12:13:58) Rev: 1

Contact/Location: Sam Nash - HIBSTJ



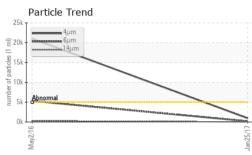
OIL ANALYSIS REPORT

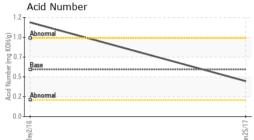
scalar

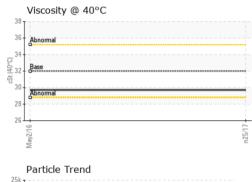
Visual*

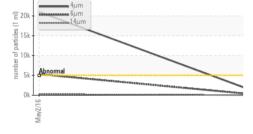
VISUAL

White Metal









					-		
Yellow Metal	scalar	Visual*	NONE		NONE	NONE	
Precipitate	scalar	Visual*	NONE		NONE	NONE	
Silt	scalar	Visual*	NONE		NONE	NONE	
Debris	scalar	Visual*	NONE		VLITE	▲ VLITE	
Sand/Dirt	scalar	Visual*	NONE		NONE	NONE	
Appearance	scalar	Visual*	NORM	IL	NORML	NORML	
Odor	scalar	Visual*	NORM	IL	NORML	NORML	
Emulsified Water	scalar	Visual*	>0.05		NEG	NEG	
Free Water	scalar	Visual*	1 0100		NEG	NEG	
FLUID PROPERT		method	limit/b				
Visc @ 40°C	cSt	ASTM D7279(m)	32	ase	current 29.7	history1 29.7	history2
SAMPLE IMAGES		method	limit/b	1250	current	history1	history2
	,	method	IIIIII/ C		current	This tory I	matoryz
Color							no image
					- Mining		
Bottom							no image
					C		ne mage
					and the second sec	The second second	
DutFilter					(1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
PrtFilter					no image	Part - Pa	no image
						An an an an an	
GRAPHS							
Ferrous Alloys				491,520 T	Particle Cour	nt	т26
iron							-24
5- nickel				122,880	Severe		127
				30,720			-22
 بو			17 [m]	7,680	Abnormal		-20
May2/16			Jan 25/17. (per 1 ml)	1,920-		S	-18
			Ja Icles (400	1		10
Non-ferrous Metals	5		Jan 25/17 Jumber of particles (per 1 ml)	480-		· .	-20 +18 +16 +14
copper				120-			-14
5 - tin			unu	30-			-12
				8 -			-10
pL i			11				
May2/16			Jan 25/17	2-			18
			'n	0_+ 4/-	и 6µ	14µ 21µ	38µ 71µ
Viscosity @ 40°C				(B	Acid Number	r	
Abnormal				KOH UN			
5 - Annormal Base 0 - Annormal			_		Abnormal Base		
				Acid Number (mg KOH/g) 0.0	Base		
0 - Abnormal				2 0.0	Abnormal		
5							
			Jan 25/17 -	Ac	May2/16		

NONE

NONE

▲ VLITE

