

### **OIL ANALYSIS REPORT**

Sample Rating Trend

ISO

# Bark Reclaim Hooper Conveyor

Unknown Component Fluid MOBIL SHC 629 (--- GAL)

#### DIAGNOSIS

#### Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

#### Wear

All component wear rates are normal.

#### Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the sample.

#### Fluid Condition

The sample viscosity is lower than typical, possibly indicating the addition of lighter grade sample. The AN level is acceptable for this fluid. The sample is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

				Jan2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
				WC		
Sample Number		Client Info		-		
Sample Date	la va	Client Info		16 Jan 2024		
Machine Age	hrs	Client Info		0		
Dil Age	hrs	Client Info		0		
Dil Changed		Client Info				
Sample Status				ABNORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185(m)		19		
Chromium	ppm	ASTM D5185(m)		0		
Nickel	ppm	ASTM D5185(m)		0		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)		<1		
_ead	ppm	ASTM D5185(m)		0		
Copper	ppm	ASTM D5185(m)		<1		
Tin	ppm	ASTM D5185(m)		0		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)	limit/b coo	0		
Cadmium ADDITIVES		ASTM D5185(m)	limit/base	0 current	 history1	 history2
Cadmium ADDITIVES Boron	ppm ppm	ASTM D5185(m) method ASTM D5185(m)	limit/base	0 current 0		
Cadmium ADDITIVES Boron	ppm	ASTM D5185(m) method ASTM D5185(m) ASTM D5185(m)	limit/base	0 current	history1	history2
Cadmium	ppm ppm	ASTM D5185(m) method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	0 current 0 0 0	history1	history2
Cadmium ADDITIVES Boron Barium Molybdenum	ppm ppm ppm	ASTM D5185(m) method ASTM D5185(m) ASTM D5185(m)	limit/base	0 current 0 0	history1 	history2 
Cadmium ADDITIVES Boron Barium Molybdenum Manganese	ppm ppm ppm ppm	ASTM D5185(m) method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	0 current 0 0 0	history1  	history2  
Cadmium ADDITIVES Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm	ASTM D5185(m) method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	0 current 0 0 0 0	history1	history2
Cadmium ADDITIVES Boron Barium	ppm ppm ppm ppm ppm ppm	ASTM D5185(m) method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	0 current 0 0 0 0 0 0	history1	history2
Cadmium ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm	ASTM D5185(m) method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	0 current 0 0 0 0 0 0 <1	history1	history2
Cadmium ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	0 current 0 0 0 0 0 0 <1 435	history1	history2
Cadmium ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	0 current 0 0 0 0 0 <1 435 2	history1	history2
Cadmium ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	0 current 0 0 0 0 0 0 0 2 1 435 2 90	history1	history2
Cadmium ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		0 current 0 0 0 0 0 <1 435 2 90 <1	history1	history2
Cadmium ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		0 current 0 0 0 0 0 0 0 0 1 435 2 90 <1 2 90 <1 2 90 <1	history1	history2
Cadmium ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		0 current 0 0 0 0 0 0 0 (1 435 2 90 <1 2 90 <1 Lurrent 11	history1	history2
Cadmium ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	0 current 0 0 0 0 0 0 (1 435 2 90 <1 current 11 0	history1	history2
Cadmium ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) method ASTM D5185(m) ASTM D5185(m)	limit/base	0 current 0 0 0 0 0 0 0 1 435 2 90 <1 2 90 <1 11 0 <1 11 0 <1 11 0 <1 11 0	history1	history2
Cadmium ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) method ASTM D5185(m) ASTM D5185(m)	limit/base	0 current 0 0 0 0 0 0 ( 1 435 2 90 <1 current 11 0 <1 current	history1                              history1                        history1               history1	history2
Cadmium ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) AS	limit/base >20 limit/base >5000 >1300	0 current 0 0 0 0 0 0 0 1 435 2 90 <1 current 11 0 <1 current 11 0 <1 ×1 ×1 ×1 ×1 ×1 ×1 ×1 ×1 ×1 ×	history1   history1               history1	history2 history2 history2 history2
Cadmium Cadmium ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >4µm Particles >14µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D76477 ASTM D7647	limit/base >20 limit/base >5000	0 current 0 0 0 0 0 0 0 0 0 0 0 0 0	history1                              history1            history1            history1                           history1	history2
Cadmium Cadmium ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >6µm Particles >14µm Particles >21µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D7647 ASTM D7647 ASTM D7647	limit/base >20 limit/base >5000 >1300 >160 >40	0 current 0 0 0 0 0 0 0 0 0 0 0 0 0	history1   history1            history1	history2
Cadmium ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >4µm Particles >21µm Particles >21µm Particles >38µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >20 limit/base >5000 >1300 >160 >40 >10	0 current 0 0 0 0 0 0 0 1 0 2 90 4 35 2 90 4 5 2 90 4 1 0 current 1 1 0 current 1 3 3 2 90 4 5 5 6 6 8 8	history1  history1            history1  <	history2  history2            history2
Cadmium ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D7647 ASTM D7647 ASTM D7647	limit/base >20 limit/base >5000 >1300 >160 >40	0 current 0 0 0 0 0 0 0 0 0 0 0 0 0	history1                              history1            history1            history1	history2

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Base 140 130 Abnormal

120 Jan 16/24

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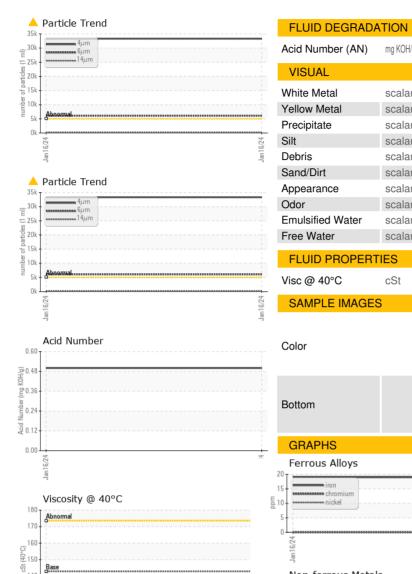
method

limit/base

current

historv1

historv2



Acid Number (AN)		method	limit/base	current	history1	history2
	mg KOH/g	ASTM D974*		0.50		
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	VLITE		
Sand/Dirt	scalar	Visual*	NONE	NONE		
Appearance	scalar	Visual*	NORML	NORML		
			NORML			
ree water	scalar	visuai"		NEG		
FLUID PROPERT	IES	method	limit/base	current	history1	history2
/isc @ 40°C	cSt	ASTM D7279(m)	142.8	128		
SAMPLE IMAGES	;	method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image
GRAPHS						
Ferrous Alloys			401 520	Particle Count		2
iron						T <sup>2</sup>
nickel				Severe		-2
			30,720			-2
/24		**********************	1 m 1	Abnormal		+2) -14 -14 -14 -14 -14
Jan 16			.020 Jan 1.920		•	-11
Non-ferrous Metals	3		-90 Here 480			
copper			ີ່ມີ 120-			-14
nananananan lead			4m 30			-11
*				-		
an 16,24			- 16/24 			
Hiscosity @ 40%C			8 47/91 UPC 04		14μ 21μ	38µ 71µ
Viscosity @ 40°C			4	μ Acid Number	14μ 21μ	
Viscosity @ 40°C			4		14μ 21μ	
Viscosity @ 40°C			4		14μ 21μ	
Viscosity @ 40°C			4		14μ 21μ	
Viscosity @ 40°C			Jan 16/24 1 an 16		14μ 21μ	
	Precipitate Silt Debris Sand/Dirt Appearance Ddor Emulsified Water Free Water FLUID PROPERT /isc @ 40°C SAMPLE IMAGES Color Softom GRAPHS Ferrous Alloys Image definition Soft	Precipitate scalar Silt scalar Sold scalar Sand/Dirt scalar Sand/Dirt scalar Sand/Dirt scalar Sand/Dirt scalar Scalar Full PROPERTIES Visc @ 40°C cSt SAMPLE IMAGES Color Soltom GRAPHS Ferrous Alloys Serrous Metals	Precipitate       scalar       Visual*         Silt       scalar       Visual*         Debris       scalar       Visual*         Sand/Dirt       scalar       Visual*         Sand/Dirt       scalar       Visual*         Sand/Dirt       scalar       Visual*         Sand/Dirt       scalar       Visual*         Spearance       scalar       Visual*         Odor       scalar       Visual*         Odor       scalar       Visual*         Odor       scalar       Visual*         Free Water       scalar       Visual*         FLUID PROPERTIES       method         Visc @ 40°C       cSt       ASTM D7279(m)         SAMPLE IMAGES       method         Color       scatom       scatom         GRAPHS       scatom       scatom         Settom       scatom       scatom         Solor       scatom       scatom         Sonon-ferrous Metals       scatom <th>Precipitate       scalar       Visual*       NONE         Silt       scalar       Visual*       NONE         Debris       scalar       Visual*       NONE         Sand/Dirt       scalar       Visual*       NONE         Sand/Dirt       scalar       Visual*       NONE         Sand/Dirt       scalar       Visual*       NORE         Appearance       scalar       Visual*       NORML         Odor       scalar       Visual*       NORML         Odor       scalar       Visual*       NORML         Odor       scalar       Visual*       NORML         Free Water       scalar       Visual*       Imit/base         FLUID PROPERTIES       method       limit/base         Visc @ 40°C       cSt       ASTM D7279(m)       142.8         SAMPLE IMAGES       method       limit/base         Color      </th> <th>Precipitate       scalar       Visual*       NONE       NONE         Silt       scalar       Visual*       NONE       NONE         Debris       scalar       Visual*       NONE       VLITE         Sand/Dirt       scalar       Visual*       NONE       NONE         Appearance       scalar       Visual*       NORML       NORML         Appearance       scalar       Visual*       NORML       NORML         Odor       scalar       Visual*       NORML       NORML         Emulsified Water       scalar       Visual*       NEG       Imit/base       current         FLUID PROPERTIES       method       limit/base       current       Imit/base       current         SAMPLE IMAGES       method       limit/base       current       Imit/base       current         Solor       Imit Mages       method       limit/base       current         Solor       Imit Mages       method       limit/base       part</th> <th>Precipitate       scalar       Visual*       NONE       NONE          Silt       scalar       Visual*       NONE       NONE          Debris       scalar       Visual*       NONE       VLITE          Sand/Dirt       scalar       Visual*       NONE       NONE          Sand/Dirt       scalar       Visual*       NONE       NONE          Sand/Dirt       scalar       Visual*       NONE       NONE          Odor       scalar       Visual*       NORML       NORML          Scalar       Visual*       NORML       NORML           Tree Water       scalar       Visual*       NORML       NORML          FLUID PROPERTIES       method       limit/base       current       history1         /isc @ 40°C       cSt       ASTM D7279(m)       142.8       128          Solor       scatar       method       limit/base       current       history1         Color       scatar       scatar       scatar       scatar       scatar       scatar         Solor       scatar       scatar</th>	Precipitate       scalar       Visual*       NONE         Silt       scalar       Visual*       NONE         Debris       scalar       Visual*       NONE         Sand/Dirt       scalar       Visual*       NONE         Sand/Dirt       scalar       Visual*       NONE         Sand/Dirt       scalar       Visual*       NORE         Appearance       scalar       Visual*       NORML         Odor       scalar       Visual*       NORML         Odor       scalar       Visual*       NORML         Odor       scalar       Visual*       NORML         Free Water       scalar       Visual*       Imit/base         FLUID PROPERTIES       method       limit/base         Visc @ 40°C       cSt       ASTM D7279(m)       142.8         SAMPLE IMAGES       method       limit/base         Color	Precipitate       scalar       Visual*       NONE       NONE         Silt       scalar       Visual*       NONE       NONE         Debris       scalar       Visual*       NONE       VLITE         Sand/Dirt       scalar       Visual*       NONE       NONE         Appearance       scalar       Visual*       NORML       NORML         Appearance       scalar       Visual*       NORML       NORML         Odor       scalar       Visual*       NORML       NORML         Emulsified Water       scalar       Visual*       NEG       Imit/base       current         FLUID PROPERTIES       method       limit/base       current       Imit/base       current         SAMPLE IMAGES       method       limit/base       current       Imit/base       current         Solor       Imit Mages       method       limit/base       current         Solor       Imit Mages       method       limit/base       part	Precipitate       scalar       Visual*       NONE       NONE          Silt       scalar       Visual*       NONE       NONE          Debris       scalar       Visual*       NONE       VLITE          Sand/Dirt       scalar       Visual*       NONE       NONE          Sand/Dirt       scalar       Visual*       NONE       NONE          Sand/Dirt       scalar       Visual*       NONE       NONE          Odor       scalar       Visual*       NORML       NORML          Scalar       Visual*       NORML       NORML           Tree Water       scalar       Visual*       NORML       NORML          FLUID PROPERTIES       method       limit/base       current       history1         /isc @ 40°C       cSt       ASTM D7279(m)       142.8       128          Solor       scatar       method       limit/base       current       history1         Color       scatar       scatar       scatar       scatar       scatar       scatar         Solor       scatar       scatar

Contact/Location: Alan Vanwagoner - STANAC